

# NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE CATALOG

2020  
/ 2021

NORTHWESTERN  
CONNECTICUT  
COMMUNITY  
COLLEGE



[www.nwcc.edu](http://www.nwcc.edu)



# COLLEGE DIRECTORY

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## Important Telephone Numbers

**President** 860-738-6406

**Deans:**

Academic & Student Affairs 860-738-6320  
Administration 860-738-6408

**Academic Success Center:** 860-738-6351

**Administrative Business Office:**

Director of Financial &  
Administrative Services 860-738-6418  
Cashiers 860-738-6415  
or 860-738-6313

**Affirmative Action Officer** 860-738-6325

**Alumni Association** 860-738-6406

**Associate Director of Admissions** 860-738-6356

**Bookstore** 860-379-6226

**Collegiate Education for Deaf and  
Hard of Hearing Persons:** 860-738-6382  
Video Phone 860-469-3138

**Computer Center Help Desk:** 860-738-6367

**Director of Institutional Research** 860-738-6441

**Financial Aid** 860-738-6321  
or 860-738-6405

**Job Search Information** 860-738-6306

**Learning Resource Center:**

Main Desk 860-738-6480  
Director 860-738-6482

**Director of Marketing/Public Relations:** 860-738-6333

**Registrar** 860-738-6309

**Student Services:**

Director of Student Development 860-738-6315  
Career Counselor 860-738-6306  
Counselor for Students with Disabilities 860-738-6318  
Director of Student Activities 860-738-6344  
Veteran Counselor 860-738-6306

**Senate/College Bulletin**

(Campus Voice) 860-738-6344

**Center for Workforce Development** 860-738-6444  
(Non-credit programs)

**NCCC Website**

Students may access an electronic version of this catalog  
and other College information on the NCCC Website.

NCCC website address [www.nwcc.edu](http://www.nwcc.edu)  
NCCC online registration <http://my.commnet.edu>

**NCCC Federal Title IV code (Financial Aid): 001398**

*About this catalog...*

*It is the responsibility of each student to become familiar  
with the contents of this catalog.*

*Northwestern Connecticut Community College reserves  
the right to change the regulations and information printed  
in this catalog.*

*Layout: Kris Kennedy, Debra Zavatkay, Duc Tinh  
Photos: Duc Tinh*

**Northwestern Connecticut Community College  
Winsted, Connecticut**





# PRESIDENT'S MESSAGE:

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As you embark on your educational journey with us, I want to welcome you to Northwestern Connecticut Community College.

NCCC was the top ranked Connecticut community college in 2016, 2017, 2018 and again in 2019 by the personal finance website Wallethub.com. We were also ranked the #1 community college in the U.S. in terms of zero student loan defaults.

We are the on-ramp to your future. We offer the classes that you need in a supportive environment with state-of-the-art technology, and faculty and staff who inspire a love of learning.

At a time when everyone is concerned about the cost of college, our affordable tuition and highly transferable courses will make it possible for you to get the training and education that you need. Our students understand that pursuing an education beyond high school is critical to a successful future in the 21st century. Our goal is to give you the skills necessary to compete in a technological world, in careers that maybe haven't even been invented yet.

Whether you come to us for an Associate's degree and transfer on to earn a Bachelor's degree; or to enroll in a certificate program and retrain for new career options; or to just learn something new that has always interested you - we thank you for coming to the right place.

The Northwestern Connecticut Community College family joins me in welcoming you to our community of learners. Make the most of your time on campus and get involved!

Now let's get started!

**Michael A. Rooke, Ph.D.**  
President

Northwestern Connecticut Community College

# 2020-2021 COLLEGE CATALOG

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## NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

Park Place East  
Winsted, Connecticut 06098  
<http://www.nwcc.edu>

## Coronavirus (COVID-19) Pandemic Disclaimer

Beginning March 2020, Connecticut along with the rest of the United States suffered the effects of the COVID-19 coronavirus pandemic. Day-to-day life as it existed before the pandemic changed drastically, and individuals and institutions adapted to new practices and behaviors. Normative actions now include wearing facial masks, maintaining social distance, and working and learning remotely. Learning about and adherence to Center for Disease Control and Prevention (CDC) guidance has become a way of life. As we plan for the next academic year, so much is uncertain, including the continuing threat of COVID-19.

The Connecticut State Colleges and Universities (CSCU) must adapt to meet this reality. Going forward, it is up to all of us – faculty, staff and students – to do our part to ensure our campus community stays as healthy and safe as possible. This is a shared responsibility, and every member of our community must adhere to national, state, and local health guidelines and requirements, and adhere to those measures Northwestern Connecticut Community College deems safe and appropriate for the campus. This will include social distancing, wearing masks or other facial coverings, not reporting to class or work if sick, and isolating when required.

Although Northwestern Connecticut Community College is readily developing a schedule of courses that include some in-class and on-ground instruction, no one knows what the future may hold. In the case of an outbreak of the coronavirus or other illness, the institutions reserve the right to adapt the format of any class to an entirely online/distance learning modality as public health conditions warrant. Such change will not result in any increase or decrease of tuition and fees. We all understand that tuition and fees are in exchange for learning, academic credit, and certain non-academic services regardless of whether taught on-ground, in a hybrid environment or entirely remotely.

Most important to CSCU and Northwestern Connecticut Community College is the health, safety and welfare of every member of its community. Yet, despite campus efforts to comply with health and safety guidelines, it is not possible to guarantee a disease free environment, or to guarantee that campuses will not close and return to an online-only learning environment. These are the realities of working and learning during a pandemic. If you choose to return to campus during the pandemic, you accept that you are willing to do your part to keep the campus safe and acknowledge that you may be required to complete your course work in an evolving or remote learning environment.

The NCCC community is looking forward to welcoming you back.



# 2020-2021 ACADEMIC CALENDAR

## FALL SEMESTER 2020

Day	Date	Description
Tuesday	Aug. 18	New Student Orientation (Evening)
Wednesday	Aug. 19	New Student Orientation (Day)
Tuesday	Aug. 25	<b>Last day for 100% Tuition Refund</b> and Professional Staff Activities
Wednesday	Aug. 26	<b>CLASSES BEGIN</b>
Monday	Sept. 7	Labor Day – <b>COLLEGE CLOSED</b>
Tuesday	Sept. 8	<b>Last Day to Add/Drop Courses and Last Day for 50% Tuition Refund</b>
Tuesday	Sept. 22	Last Day to Change to AUDIT Status
Tuesday	Nov. 3	Last Day to Make-up In-completes
Tuesday	Nov. 10	Last Day to WITHDRAW from Classes
Wednesday	Nov. 11	Veteran's Day – <b>Classes in Session</b>
Monday	Nov. 16	January Graduation Application Deadline
Wed.-Sun.	Nov. 25-29	Thanksgiving Recess – <b>NO CLASSES</b>
Monday	Dec. 7	Last Day of Classes
Tuesday	Dec. 8	Reading Day* - <b>NO CLASSES</b>
Wed.-Tues.	Dec. 9-15	<b>Final Exams</b>
Friday	Dec. 18	Grades Due by 9:00 am

\* Reading days are to be used as study days and/or optional make-up class time. Students shall not be penalized for not attending any activities/classes.

## SPRING SEMESTER 2021

Day	Date	Description
Monday	Jan. 18	Martin Luther King Day – <b>COLLEGE CLOSED</b>
Tuesday	Jan. 19	New Student Orientation (snow date Jan. 20)
Thursday	Jan. 21	<b>Last Day for 100% Tuition Refund</b>
Friday	Jan. 22	<b>CLASSES BEGIN</b>
Thursday	Feb. 4	Last Day to Add/Drop and Last Day for 50% Refund
Fri.-Mon.	Feb. 12-15	President's Recess – <b>NO CLASSES</b>
Monday	Feb. 15	President's Holiday – <b>COLLEGE CLOSED</b>
Thursday	Feb. 18	Last Day to Change to AUDIT Status
Mon.-Sun.	Mar. 15-21	Spring Break – <b>NO CLASSES</b>
Wednesday	Mar. 31	May Graduation Application Deadline
Thursday	April 1	Last Day to Make-up Incompletes
Friday	April 2	Day of Reflection – <b>NO CLASSES</b>
Fri.-Sun.	Apr. 2-4	Good Friday/Easter – <b>COLLEGE CLOSED</b>
Thursday	Apr. 8	Last Day to WITHDRAW from Classes
Monday	May 10	Last Day of Classes
Tues.-Mon.	May 11-17	<b>Final Exams</b>
Thursday	May 20	Grades Due by 9:00 am
Thursday	May 27	COMMENCEMENT
Monday	May 31	Memorial Day – <b>COLLEGE CLOSED</b>

# THE COLLEGE

## MISSION STATEMENT

*The mission of Northwestern Connecticut Community College is to inspire learning through accessible, high quality education. Northwestern is devoted to enriching lives by meeting individual and community needs in a supportive environment, while facilitating access to lifelong learning opportunities.*

## VISION STATEMENT

*By encouraging a dedication to inquiry and a respect for others, Northwestern Connecticut Community College aspires to cultivate in its students the ability to understand the complex modern world, both locally and globally, and the leadership skills to be full and active participants in society.*

## GENERAL INFORMATION

Northwestern Connecticut Community College (NCCC) is a two-year coeducational institution founded in 1965 by a small committee of local residents who saw the need for higher education in the northwest corner of the state. The college is a member of the Connecticut State Colleges and Universities (CSCU) system and is governed by the Board of Regents for Higher Education.

NCCC has been named the #1 community college in Connecticut for the last four years by wallethub.com. As the fourth oldest of the twelve state community colleges, NCCC has a well-defined history of serving students by offering excellence in teaching and lifelong learning opportunities. Hallmarks of the institution include high quality student services, state-of-the-art technology, and cultural activities for both students and community members. NCCC offers programs that lead to the Associate in Science degree, the Associate in Arts degree, plus credit and non-credit certificates.

In the fall and spring semesters, a full schedule of classes is offered during both the day and evenings. Courses are open to high school graduates, GED graduates, high school students who have the approval of their guidance counselors, students from other colleges, and interested adults. Courses may be taken for credit or audit.

The student body is typically made up of people who come from about half of the 169 towns in Connecticut, the other New England States, and New York. Most are preparing for careers or for transfer to four-year colleges. Many work part-time to pay for their college expenses. The comparatively low cost of attending a community college is one of the reasons mentioned in a survey of students as influenc-

ing them to attend NCCC, while the high quality of instruction is cited in a survey of graduates.

The campus is comprised of 11 buildings and is located in the town of Winsted, a small pastoral town recognized for its historic architecture. Many of the campus buildings flank the east side of the town green and include historic homes that have been converted into campus office buildings, as well as the historic Founders Hall. The impressive Arts and Science Building and Greenwoods Hall anchor the north end of campus, while the newly constructed Joyner Health and Science Center and the Learning Resource Center with its grand rotunda anchors the south end and welcomes visitors traveling Routes 8 and 44 to both the town and the college. Situated only 25 miles west of Hartford and 27 miles north of Waterbury, NCCC is very accessible to a large area of the state. The Litchfield Hills are rich with cultural and recreational activities: NCCC works to partner with arts and community organizations in an effort to expose students to the diversity of their surroundings and the world.

In the fall of 2017, NCCC opened a new 24,400 square foot Joyner Health Sciences Center along Route 44 on the south end of the campus. This building is a state-of-the-art center for Medical Assisting and Veterinary Technician, as well as other allied health programs.

In September 2007, NCCC opened the Art and Science Center, a three-story 32,000 square foot edifice housing Chemistry, Microbiology, Biology, Nursing, and General Science laboratories on the first floor. The second floor consists of classrooms, a lecture hall, student lounge and an open atrium that extends through to the third floor where there are art spaces for drawing, painting, ceramics, graphic arts, offices, and a presentation room.



NCCC completed the construction of its 24,000 square foot Learning Resource Center (LRC) in 2003. Within its distinctive rotunda, the LRC houses the technologically current library, offering on-site access to more than 20,000 publications, 1,000 DVDs, a rare jazz and classical music collection, as well as digital access to the state college system and its more than one million titles. The lower level of the LRC houses the Draper Conference Center.

## ACCREDITATION STATEMENT

Northwestern Connecticut Community College is accredited and licensed by the Board of Regents for Higher Education for the State of Connecticut and regionally accredited by the New England Commission of Higher Education (NECHE), a regional accrediting body recognized by the U.S. Department of Education.

Accreditation of an institution by the New England Commission indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. In addition, specialized accreditations are granted to our Veterinary Technology, Medical Assisting, Early Childhood Education, and Nursing programs.

Accreditation by NECHE applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, nor of the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the status of the institution's accreditation by NECHE should be directed to the administrative staff of the College. Individuals may also contact the Commission:

New England Commission of Higher Education  
3 Burlington Woods Drive  
Suite 100  
Burlington, Massachusetts 01803-4514  
781-425-7700  
[www.neche.org](http://www.neche.org)



## About this Catalog

This Northwestern Connecticut Community College Catalog is provided as a source of information for prospective students and does not constitute a contract. While every effort has been made to ensure the accuracy of the information provided, the college reserves the right to change any of the provisions in this catalog at any time. Information and regulations printed herein are subject to change. The Board of Regents and the College Administration may extend, expand, or delete courses and programs described.

# ADMISSIONS

## ADMISSION REQUIREMENTS

Northwestern Connecticut Community College admits individuals for both fall and spring terms on a full or part-time basis. Applicants may apply as either a degree or non-degree seeking student. Please note: a few programs of study have specific admissions criteria; refer to the Programs of Study section of the catalog for specific admission requirements.

### Requirement for Degree Seeking Students (new or transfer):

1. Complete the **Application for Admission** online. There is no application fee.
2. Submit **evidence of graduation from an approved secondary school or a State High School Equivalency Diploma** (if still in high school, submit current transcript upon admission, followed by final high school transcript after graduation).
3. Submit proof of **immunization records** for measles, mumps, rubella (MMR), and varicella. MMR requirement is waived if born prior to January 1, 1957. Varicella requirement is waived if born prior to January 1, 1980.
4. After receipt of your application, information regarding placement testing will be sent to you via email. Placement testing is required for all new students prior to enrollment. SAT scores of 510 Math or 460 Evidence Based Reading and Writing or ACT scores of 17 Math or 37 English and Reading satisfy the testing requirements. Please provide SAT or ACT scores if they satisfy the testing requirements.
5. Transfer students must submit official college transcripts of previous college course work to determine if placement testing can be waived. Official transcripts must be received by the Office of Admissions for transfer evaluation of previous courses.

Application, Immunization Form, and more information can be found on our webpage.

### Requirement for Non-Degree Seeking Students (must be part time; not eligible for financial aid):

Complete step 1 above. Depending on your educational background, the courses you are interested in taking, and/or their prerequisites, you may be required to take the placement test. Please contact the Office of Admissions at 860-738-6330 to determine if placement testing is required.

**Applications and more information can be found on our webpage:** [www.nwcc.edu/admissions](http://www.nwcc.edu/admissions)

### Application materials should be sent to:

Office of Admissions  
Northwestern Connecticut Community College  
Park Place East  
Winsted, CT 06098  
Fax: 860-738-6437

### New England Regional Student Program

The New England Regional Student Program (RSP), enables thousands of New England residents to enroll at out-of-state New England public colleges and universities at a discount. Students are eligible for the RSP Tuition Break when they enroll in an approved major that is not offered by the public colleges and universities in their home-state. Additional information about RSP may be obtained from the Director of Admissions or [www.nebhe.org/programs-overview/rsp-tuition-break/overview](http://www.nebhe.org/programs-overview/rsp-tuition-break/overview). Residents of MA, NY, and RI can attend NCCC at the in-state tuition rate.

### High School Partnership Program

The High School Partnership Program is a special program designed to enable qualified high school juniors and seniors to take up to two courses (eight credits) of college work each semester at no charge on a space available basis. The students, however, are responsible for buying their own books and providing their own transportation. Students must be recommended by the high school principal (or principal's designee) and/or another appropriate school administrator.

A transcript of the student's work will be maintained at Northwestern, and a student may request to have the credits transferred to the institution that he or she attends after high school.

Interested high school students should contact their school guidance counselor for more information and application deadlines.

### International Students

Students who are not residents of the United States, but who are interested in studying at Northwestern Connecticut Community College may do so by applying as an international student.

Prior to the Office of Admissions completing an I-20 for any foreign student seeking admission to Northwestern Connecticut Community College, it is required that the documents listed below be submitted to the Office of Admissions. All documents must be translated into English and validated or notarized as being an official and accurate translation. All documents must be received by the deadline dates of May 15th for the fall semester and October 1st for the spring semester.



**An I-20 will not be issued until all items noted below are submitted to the Admissions Office:**

- Student must complete an **Application for Admission** to the College. Please be advised that some of our programs are selective and have special admissions requirements. Our selective admissions programs are noted in the Programs of Study section of this catalog.
- Provide proof, in the form of official transcripts or diplomas, of completion of secondary school/high school (documents must be in English).
- Foreign students who have completed university level studies in their home countries must have their academic records translated into English and evaluated to U.S. academic equivalencies by an accredited agency such as World Educational Services ([www.wes.org](http://www.wes.org)) if they wish to apply any of their previous university work to their NCCC degree program.
- Foreign students applying from overseas must take the Test of English as a Foreign Language (TOEFL) exam and submit the official scores to the College. Currently the minimum score required is 500 for the written version and 173 on the computerized version, and 61 on the Internet Based version. **All students must also take the College Placement Assessment prior to enrolling at the College.**
- If the financial sponsor is a U.S. citizen or permanent resident, Form I-134 must be utilized. This form may be accessed directly from the United States Citizenship and Immigration Services (USCIS) at <http://uscis.gov/>.
- If the financial sponsor is not a U.S. citizen or permanent resident, a notarized bank statement and/or other financial documents indicating the sponsor's net worth must be provided to the College. The financial statement must be in English and note currency values in U.S. dollar equivalencies. Currently, annual expenses, including tuition and other living expenses are estimated at about \$46,000 for a two-year degree (2 fall terms, 2 spring terms, and 1 summer term).
- Connecticut law requires that students submit proof of immunization against measles, mumps, rubella, and varicella.
- Due to recent changes in USCIS procedures, applicants must provide the Office of Admissions with evidence of their housing or living arrangements while in the United States (a Connecticut address required) as well as their permanent address in their home country using the Letter of Residence form. Once in the United States, any changes to their Connecticut address must be reported to the Office of Admissions and the Immigration and Naturalization Service (INS) with Form AR-11.
- Student must complete an I-20 Request form.

**The Director of Admissions and/or another student affairs staff member will meet with applicants and/or process the I-20 form only after all of the above paper-work is completed by the applicant.**

Web links to all forms and detailed information can be found on our webpage: [www.nwcc.edu/admissions/international](http://www.nwcc.edu/admissions/international)

## Veterans

Veterans are served by a counselor in the Center for Student Development. The counselor will provide information concerning monthly benefits, tuition waivers, and other educational benefits for eligible veterans. The counselor will also assist veterans in applying for those benefits.

All veterans seeking monthly benefits must be matriculated into a degree or certificate program. Only courses that are directly applicable to their degree programs will count toward eligibility for monthly benefits. Veterans who are transfer students must request that official transcripts be sent from previous schools to the College's Admissions Office for evaluation of prior credit.

The College may award credit for certain courses completed in the service (including MOS proficiency). Veterans may submit course completion documents or other appropriate evidence of military training and/or qualifications to the Admissions Office for evaluation. Credit can also be earned through the College Level Examination Program (CLEP). Information about CLEP exams can be obtained from the Academic Success Center.

A veteran who is placed on academic probation may receive G.I. Bill payments for one semester. If the veteran does not improve his or her record and is not removed from the probation list, the veteran's benefits are terminated. Once the veteran has achieved satisfactory academic standing (off probation), he or she may once again receive benefits.

Veteran students should contact the VA to find out his or her delimiting date for the benefit which is available to him or her.

Veterans are eligible for full tuition waivers for general fund courses (fees including College Services, Student Activity, Studio, and Lab must still be paid. Summer and Extension Fund courses are not covered.) if they meet the requirements listed in the Waiver Section of this Catalog. Our Veteran School Certifying Official is Samantha Palombizio; you can contact her at 860-738-6306 or [spalombizio@nwcc.edu](mailto:spalombizio@nwcc.edu)

## Placement Testing – Basic Skills Assessment

### Purpose of the Assessment

Before a student enrolls in academic programs, the College requires a basic skills assessment in mathematics and English. The College uses Accuplacer developed by the College Board to provide information about a student's level of accomplishment in these areas, and to help ensure a student's success in college. Academic advisors also use the results when defining the appropriate level of course work for each student.

The placement test is administered on a campus computer. Students follow the instructions and questions on the computer monitor and select answers using the keyboard or mouse. No computer experience is necessary and assistance is available.

After applying to NCCC, students will receive information via email regarding placement testing.

### Advanced Placement Scores

Students who scored a 3 or higher on their high school Advanced Placement (AP) courses may receive college credit at NCCC. Official scores should be submitted to the Office of Admissions for consideration. When credit is awarded, it is entered on the student's college transcript, but the grade is not included in the college grade point average.

### Transfer Course Credit

At all community colleges, degree and certificate credit shall be granted only for credit courses completed at all institutions within the Connecticut state system of higher education and at all other collegiate institutions accredited by an agency recognized by the Council for Higher Education Accreditation as either a Regional Accrediting Organization or a "Specialized and Professional Accrediting Organization" in accordance with the following:

Degree and certificate credit shall be granted for all credit courses that are applicable to the objectives of, or equivalent to the course requirements of, the curriculum in which the transferring student enrolls. Credit work that is not applicable or equivalent to curriculum requirements shall be accepted for credit at the discretion of the college. Degree and certificate credit shall also be granted on the basis of performance on examinations in accordance with standards and limits approved by the Board of Regents.

Degree and certificate credit shall be granted for credit courses completed with a letter grade of "C minus" or better. Such credit courses shall be accepted only for credit, and letter grades assigned by other institutions shall not be recorded or included in computations of student grade point averages.

Notwithstanding the number of degree or certificate credits which shall be granted in accordance with the foregoing, the student must complete at least twenty-five percent of the minimum credit requirements for the degree or certificate through coursework at the college awarding the degree or certificate.

When a student seeks transfer credit for technical or specialty courses into a program that is also accredited by a national or regional specialized accrediting agency, such credits must be from a comparably accredited program. In the case of a request for transfer credit for technical or specialty courses from a non-accredited program, the college shall provide appropriate means for the validation of the student's competency in the technical specialty course areas.

### Immunization Requirements

The State of Connecticut General Statutes requires each full-time or matriculating student to provide proof of adequate immunization before permitting such student to enroll in college.

#### THE FOLLOWING ARE REQUIRED FOR ALL STUDENTS:

**Measles (Rubeola)** – one of the following is required:

- Two Measles (or MMR) inoculations (shots).
- Proof of a positive Measles titer (blood work).
- Documentation from a doctor that you had the disease.

**Rubella (German Measles)** – one of the following is required:

- Two Rubella (or MMR) inoculations (shots).
- Proof of a positive Rubella titer (blood work).
- Documentation from a doctor that you had the disease.

**Mumps** – one of the following is required:

- Two Mumps (or MMR) inoculations (shots).
- Proof of a positive Mumps titer (blood work).
- Documentation from a doctor that you had the disease.

**Varicella (Chicken Pox)** – one of the following is required:

- Two Varicella inoculations (shots)
- Proof of a positive Varicella titer (blood work).
- Documentation from a doctor that you had the disease.

#### IMMUNIZATION EXEMPTIONS:

- Age exemption excludes students born prior to January 1, 1957 from the Measles, Mumps, and Rubella requirement.
- Age exemption excludes students born prior to January 1, 1980 from the Varicella requirement.



- Medical exemption requires documentation from your medical provider that you cannot receive inoculation.
- Religious exemption requires documentation that inoculation is against your beliefs.

## Readmission

Former students of the College (have not been back to NCCC in two or more years) who wish to be considered for readmission should apply online as a "Readmit Student." The Office of Admissions will verify that they have all required records for you to register. Please contact the Office of Admissions for more information 860-738-6330.

Students who have a poor academic record may request readmission under the College's **Fresh Start Option**. To apply for this option, please contact the Office of Admissions and complete a Readmission Form. To be eligible for this readmission option, the following conditions apply:

- Student must have been away from NCCC for a period of two or more calendar years prior to requesting a Fresh Start Option.
- Student must have a cumulative G.P.A of 2.0 or lower prior to readmitting.
- All previously earned grades will remain on the student's transcript but the original grade point average will not be included in any subsequent computation of a new grade point average.
- Credit will be given for any course in which the student received a grade of "C-" or above, including "P" (Pass).
- The Fresh Start Option can be used only once.
- The Fresh Start Option does not apply to any completed degree or certificate.
- A student must complete a minimum of 15 credits after returning to college under the Fresh Start Option to be eligible for a degree or certificate, and for graduation honors.
- The Fresh Start Option does not apply in determining Financial Aid eligibility.
- Fresh Start Option students must meet with staff from the Center for Student Development.

Readmission forms (with Fresh Start Option) can be found at: [www.nwcc.edu/admissions/readmission](http://www.nwcc.edu/admissions/readmission)

## CLASSIFICATION OF STUDENTS

### Full-Time Students

A full-time student is one who is registered for 12 or more credit hours during a semester. Most curricular patterns at the College require a student to enroll for 15 to 17 credit hours each semester if the degree is to be completed in two years. A student who wishes to enroll for more than 18 credit hours in a semester must first consult the Dean of Academic & Student Affairs.

### Part-Time Students

A part-time student is one who is registered for less than 12 credit hours during a semester. A part-time student who wishes to enroll in a certificate or degree program should meet with a counselor or an advisor for a modified course sequence which is compatible with his or her plans. No limit is placed on the time required to obtain a Certificate or Associate Degree. College regulations concerning attendance, academics, prerequisites, and conduct apply to all part-time students.

### Change of Status

A student who wishes to change from non-degree to a degree program must contact the Admissions Office and follow the procedures described for new students.

### Special Students

Special students are those who do not intend to seek a degree or certificate. Holders of bachelor or graduate degrees who enroll in courses or programs may be considered special students.

### Auditors

Auditors are students who register and pay for college classes but who do not wish to receive college credit or grades.

A student who has registered for credit may change to auditor status by submitting an Audit Form to the Registrar prior to the end of the 4th week of the semester (for the Fall and Spring semesters). The deadline for accelerated courses is at the 25% completion date of the course. Courses which are audited are recorded as "AU" on the permanent record. Audited courses may be repeated for credit.

### Class Designation

Each semester students are grouped according to the total college credits which they have completed satisfactorily.

- First-year student: fewer than 30 hours of college credits.
- Second-year student: 30 hours or more of college credits.

## REGISTRATION PROCEDURES

### First-Year Students (Connecticut Residents)

As part of the admission process, students take placement tests in reading, writing, and mathematics and then register for courses. Payment is due upon registration.

### Transfer Students (Connecticut Residents)

After transfer credits have been evaluated and the student is admitted, he or she may then register for courses. Payment is due upon registration.

### **All Returning Students**

All returning students may register for courses online, by logging into myCommnet: <http://my.commnet.edu> , or in person at the Registrar's Office.

### **Intercollegiate Registration of Students in the Connecticut System of Higher Education**

Matriculated students at another Connecticut Community College, Connecticut State University, or at the University of Connecticut main campus or branch may enroll in any course(s) at Northwestern provided the course(s) are not available at their "home" institution and that there is a vacancy in the course(s) at Northwestern. Full-time students who have paid the maximum tuition and fees are exempt from additional charges. Similar arrangements apply to full-time students of Northwestern who wish to register at other Connecticut public colleges, the Connecticut State University, and the University of Connecticut. All students interested in such cross-registration should consult the Dean of Academic & Student Affairs at Northwestern.





# FINANCIAL INFORMATION

## REGISTRATION AND PAYMENT INFORMATION

Full-time and part-time students registering prior to the tuition due date must pay at least the non-refundable deposit of college service and student activity fees applicable to the courses for which they are registered.

Students who have a financial aid award are not required to make a payment at the point of registration. All tuition and fees will be applied to their financial aid award. If charges exceed the award for a semester, the student will be billed the balance due.

The total tuition applicable to the courses for which the student is registered is payable in one installment and is due by the established tuition due date unless a deferred payment schedule has been approved. Failure to have made all applicable payments by the established tuition due date may result in the withdrawal of the student's registration unless a deferred payment schedule has been approved.

All registrations which occur after the established tuition due date must be accompanied by full payment of all tuition and fees applicable to the courses for which the student registers unless a deferred payment schedule has been approved.

Students who have an unpaid balance due to the College will be prohibited from registering until the prior financial obligation is resolved.

## TUITION AND FEES

For up-to-date tuition rates, check our webpage.

## WAIVERS

### Veteran Tuition Waivers

Veterans who served for at least 90 days active duty during wartime, honorably discharged or discharged under honorable conditions, and who are domiciled in Connecticut at the time of acceptance for admission at Northwestern Connecticut Community College may be eligible for free tuition of General Fund courses. Proof of eligibility shall include official U.S. Department of Defense discharge records and/or such other official records as the College deems necessary.

Dependent children of persons missing in action or former prisoners of war while serving in the armed forces of the United States after January 1, 1960, may be eligible for a

waiver of tuition provided that the person missing in action or the former prisoner of war was a resident of Connecticut. Proof of eligibility shall include official U.S. Department of Defense documentation and/or such other official records as the College deems necessary.

Any Connecticut resident who is a dependent child or a surviving spouse of a member of the Armed Forces killed in action on or after September 11, 2001, who was a Connecticut resident may be eligible for a tuition waiver. Proof of eligibility shall include official U.S. Department of Defense documentation and/or such other official records as the College deems necessary.

Connecticut National Guard members may also be eligible for a tuition waiver provided they are a Connecticut resident, certified by the adjutant general or his designee as a member in good standing of the guard and is enrolled or accepted for admissions in a degree-granting program. Any tuition waiver shall be reduced by the amount of any educational reimbursement received from the Guardsman's employer. Proof of eligibility shall include official U.S. Department of Defense documentation and/or such other official records as the College deems necessary.

To request a tuition waiver, a veteran must submit a copy of the appropriate U.S. Department of Defense documentation to the Veteran's Counselor at the College.

Veteran's waivers apply to tuition only for full or part-time credit study funded through the state's general fund. The waiver cannot be applied toward fees, books, extension fund courses which, include summer session or other non-credit extension fund fees.

### Senior Citizen Waivers

Connecticut residents sixty-two years of age or over may be eligible for a waiver of tuition, college service fee, student activity fee and/or application fee. Material fees, supplemental course fees, program fees and extension fund fees shall not be waived and must be paid at the time of registration. Senior waivers shall be granted on a space available only basis. If there is space in a course on the first day of classes, senior registrations with accompanying waivers shall be processed in the order in which they were received until the course is full. Requirements for eligibility for a senior waiver shall include the presentation of appropriate evidence of age and residency.

## **Dependent Children of Certain Police or Firefighters**

Tuition may be waived for any dependent child of a police officer (as defined by Connecticut General Statutes Chapter 107 Section 7-294a), a supernumerary, auxiliary police officer or firefighter (as defined by Connecticut General Statutes Chapter 107 Section 7-323j0), or a member of a volunteer fire company, killed in the line of duty. Appropriate documentation of eligibility for this waiver shall be required at the time of registration.

## **Dependent Child or Surviving Spouse of Specified Terrorist Victim**

Tuition may be waived for any Connecticut resident who is a dependent child or surviving spouse of a specified terrorist victim, as defined in Section 1 of Public Act No. 02-126, who was a resident of Connecticut. Appropriate documentation of eligibility for this waiver shall be required at the time of registration.

## **REFUND POLICIES**

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### **Course Cancellations**

If the College cancels a course, you will automatically be granted a 100% adjustment of associated charges except the application fee.

### **Fall and Spring Semester**

#### **Tuition, Supplemental and Materials Fees**

If you officially drop your course(s) prior to the 1st day of the semester, you will receive a 100% refund of your tuition, supplemental and materials fees associated with the course(s) dropped.

If you officially drop your course(s) on the 1st day of the semester through the 14th calendar day of the semester, you will receive a 50% refund of your tuition, supplemental and materials fees associated with the course(s) dropped.

If you officially drop your course(s) on the 15th calendar day of the semester or later, NO REFUND shall be granted.

#### **College Services Fees, Student Activity Fees, Program Fees and other Special Fees**

Not refundable.

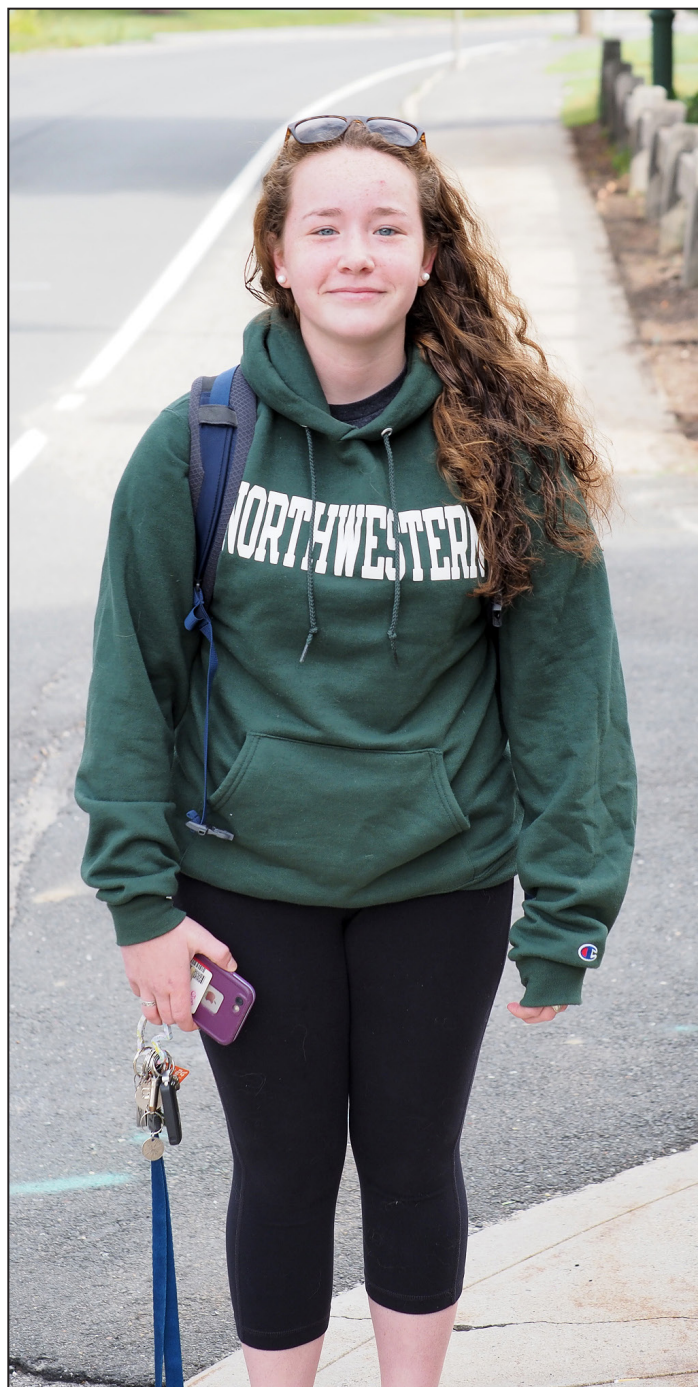
### **Summer Semester**

If you officially drop on the last business day before the first class meeting or prior, you will receive 100% refund of associated extension fee. Requests must be made by 4:30 p.m. before the session begins. If you officially drop or withdraw once the session begins, no refund shall be granted.

## **Extension Fees (extension fund credit and non-credit courses)**

If you officially drop on the last business day before the first class meeting or prior, you will receive 100% refund of associated extension fee. Requests must be made by 4:30 p.m. before the session begins. If you officially drop or withdraw once the session begins, no refund shall be granted.

Note: Refund policies assume that all charges have been paid in full prior to the drop. In some cases, an account adjustment may not entitle you to an actual refund.



# FINANCIAL AID

## INTRODUCTION

For students and parents who are concerned about their ability to meet NCCC college expenses, the Financial Aid Office encourages students and parents to apply for financial assistance. The only form to be completed is the Free Application for Federal Student Aid (FAFSA). Early and accurate submission of the web-based FAFSA will ensure that each applicant's financial ability is evaluated in a consistent and uniform manner. Applicants who apply early are notified of any aid awarded in sufficient time to register for and attend classes in the entry semester of their choice. Submission of the FAFSA also ensures that an applicant is automatically considered for all federal, state, and institutional aid programs for which funds are available. More detailed information and step-by-step instructions are found on the College's financial aid web page.

In accordance with Board of Regents policy, NCCC's financial aid award policy is to assist applicants demonstrating financial need with grant awards for tuition, fees, textbooks and supplies. The applicants with the greatest need are offered additional grant aid if funds are available. Applicants may apply for federal or private student loans and work-study employment to meet their remaining financial need.

The staff of the Financial Aid Office provides both general and specific advising to students and parents on a day-to-day basis. As an advocate for students, the Financial Aid Office offers individual and group counseling sessions and workshops throughout the year to provide guidance and further students' knowledge of financial aid opportunities and responsibilities associated with receiving financial assistance. The Financial Aid Office promotes the advantages of using the Banner Self-Service student information system for students to have round-the-clock access to their financial aid status and award information. In addition to maximizing access to federal, state, and institutional sources of grants, scholarships, and low cost loans, the Financial Aid Office serves as a clearinghouse of student employment on campus.

## GENERAL ELIGIBILITY

To receive student financial aid, a student must:

1. Be a matriculated student at NCCC, enrolled in an eligible certificate or degree program.
2. Demonstrate financial need as determined by the Federal Methodology means of evaluating the data reported on the Free Application for Federal Student Aid.
3. Meet federal and state regulations that set minimum standards for aid recipients concerning good academic

standing and satisfactory academic progress toward completion of his/her program of study.

4. Have earned a high school diploma or GED certificate.
5. Be a U.S. citizen or eligible non-citizen.
6. Certify that she/he will use federal student aid only for educational purposes and that she/he is not in default on prior federal student loans or owe a refund of federal Title IV grant funds.
7. Be registered with the Selective Service Administration, if male and 18 years of age or older.
8. Have a valid Social Security number. If a Social Security number is needed, find out about applying at [www.ssa.gov](http://www.ssa.gov) or by calling 800-772-1213 (TTY 800-325-0778).

Federal regulations require postsecondary institutions that participate in the federal student financial aid programs to make certain disclosures to students. Please read the following information on the penalties associated with drug-related offenses when the conviction occurs while the student is receiving federal student aid. Additionally, information on the penalties associated with drug-related offenses under section 484(r) of the Higher Education Act (HEA) is provided below. NCCC shall distribute timely notice to each student who has lost eligibility for any grant, loan, or work-study assistance as a result of penalties under 484(r)(1) of the HEA.

### **Suspension of Eligibility for Drug-Related Offenses**

In general, a student who has been convicted under any federal or state law involving the possession or sale of a controlled substance, during a period of enrollment for which the student was receiving federal (Title IV) aid, shall not be eligible to receive any grant, loan, or work-study assistance under this title during the period beginning on the date of such conviction and ending after the interval specified below. If convicted of an offense involving:

#### **For the possession of a controlled substance, the ineligibility period is:**

- First offense: 1 year from the date of conviction
- Second offense: 2 years from the date of conviction
- Third offense: Indefinite period of time

#### **For the sale of a controlled substance, the ineligibility period is:**

- First offense: 2 years from the date of conviction
- Second offense: **Indefinite period of time**

Drug-related convictions must be for an offense that occurred during a period of enrollment for which the student was receiving federal (Title IV) aid. Convictions only impact financial aid eligibility if the offense occurred while the student was receiving federal financial aid, and the student



was tried as an adult. If a conviction was reversed, set aside, or removed from the student's record it does not impact aid eligibility.

To determine individual status, one should call 847-688-6888. TTY users should call 847-688-2567. Eligibility is also limited for an incarcerated student in a federal or state penal institution. A student who has earned a previous baccalaureate degree is ineligible for Federal Pell Grants. However, students enrolled to fulfill teaching certification requirements may still seek assistance from the Federal Direct Loan Programs. Students with prior BA degrees will not be considered for need-based grant assistance but may apply for scholarships, loans, and work study.

## HOW TO APPLY

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Applicants must complete the Free Application for Federal Student Aid (FAFSA) for each academic year (e.g. 2020-2021) of study. Since the Community College Financial Aid System is web-based, applicants are required to access various web sites in addition to the FAFSA. Student aid applicants will be required to obtain a FSA ID consisting of a username and password at [www.fsaaid.ed.gov](http://www.fsaaid.ed.gov). When completing the FAFSA, it is necessary to authorize the release of the application information by entering the College's Federal Title IV code: 001398. A Spanish language FAFSA is also available. Note that financial aid applicants must complete the admissions process before they receive a financial aid decision.

A mobile student aid app launched by the Education Department will remove one barrier by allowing applicants to access the FAFSA on their smartphone. Download the myStudentAid app available on mobile phones and tablets!

For assistance about the federal financial aid programs, or in completing the FAFSA, call 1-800-4-FED-AID (1-800-433-3243).

## WHEN TO APPLY

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Starting with the 2017-2018 FAFSA, the following changes are:

Applicants are now able to submit a FAFSA earlier. Applicants were able to file a 2017-2018 FAFSA starting Oct. 1, 2016, rather than beginning on January 1, 2017. The earlier submission date is a permanent change, enabling applicants to complete and submit a FAFSA as early as October 1 every year.

Applicants now report earlier income information. Beginning with the 2017-18 FAFSA, applicants are required to report income information from an earlier tax year (2 years prior). For example, on the 2020-21 FAFSA, applicants

will report their 2018 income information, rather than their 2019 income information.

Although applications are accepted throughout the school year, all financial aid processing is performed on a first-come, first-served basis. The priority application dates below are set to advise applicants about the latest they should apply to receive an award determination before classes begin. There are additional forms and requirements for students seeking work study employment or Federal Direct Loans.

Note that a new FAFSA is required for each new school year (e.g. Fall 2020 and Spring 2021).

### Priority Filing Dates:

**NCCC: June 1st, 2020**  
**State: February 15th, 2020**  
**Federal: June 30th, 2020**

## PROCESSING THE FINANCIAL AID APPLICATION (FAFSA)

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The FAFSA should be completed with care. Applicants should allow at least an hour to review instructions, gather data, and complete the application. A FAFSA submitted with incomplete or inaccurate data cannot be successfully processed. This can cause serious delay in the College receiving complete application data.

Incomplete FAFSA data will increase the probability that the applicant will be required to send the Financial Aid Office additional verifying income tax and household information. It is important to ensure that the FAFSA has been properly signed by the applicant, and by one of his/her parents, if applicable. An improperly signed FAFSA will cause very serious delays in processing and award notification. Approximately one week after submitting your electronic FAFSA form, the Federal processor will create a Student Aid Report (SAR) and send it to the student (typically via e-mail). Review it for accuracy. If additional information is requested, please respond immediately. The FAFSA data is sent electronically to the College. The Financial Aid Office will then review the submitted data and any comments of the federal processor. Reported information is compared with database matches with the following federal government offices: Department of Education loan default and grant overpayment records, Department of Veterans Affairs records, Social Security Administration records, Selective Service Administration records, and Bureau of Citizenship and Immigration Services records.

Applicants must review the status of their applications by accessing their Banner Self-Service student information account at <http://my.commnet.edu> and following the directions for web access for students. It is advisable to monitor application status regularly and be specifically attentive to "My Eligibility," "My Award Information," and "Account Summary (tuition)."

## VERIFICATION

Approximately 50% of all FAFSAs received by NCCC are selected for a review called "verification." If selected, a student will receive notice to provide the Financial Aid Office with financial and family information such as federal income tax return transcripts and other special letters of eligibility for other sources of income and identification of household family members. **Processing of the FAFSA stops until all the requested information is provided.** The requested information must be sent to the Financial Aid Office within 10 days to keep one's application in active processing status. Students who are required to provide verification-related income tax and other related documents will have up to 120 days after the last date of enrollment, and no later than September 9th following the end of the previous academic year (e.g. September 9, 2021 for the 2020-2021 academic year) to submit.

## HOW FINANCIAL AID AWARDS ARE DETERMINED

Approximately 50% of all FAFSAs received by NCCC are selected for a review called "verification." If selected, a student will receive notice to provide the Financial Aid Office with financial and family information such as federal income tax return transcripts and other special letters of eligibility for other sources of income and identification of household family members. Processing of the FAFSA stops until all the requested information is provided. The requested information must be sent to the Financial Aid Office within 10 days to keep one's application in active processing status. Students who are required to provide verification-related income tax and other related documents will have up to 120 days after the last date of enrollment, and no later than September 9th following the end of the previous academic year (e.g., September 9, 2019 for the 2018-2019 academic year) to submit.

Financial need is calculated using this formula:

$$\begin{array}{l} \text{COST OF ATTENDANCE AT NCCC} \\ \text{--- (minus) EXPECTED FAMILY CONTRIBUTION} \\ \hline \text{= FINANCIAL NEED} \end{array}$$

Annually, the Financial Aid Office establishes student Cost of Attendance budgets. Examples of estimated costs are

included in the two most common types of budgets listed in the following column for Connecticut residents. Note that the cost components are based on student aid budgets commonly used for the 2019-2020 award year. At the time of developing this catalog, the tuition and fee schedules for 2020-2021 have not been released by the Board of Regents.

Cost Components	Reside With Parents	Off Campus/ Own Residence
Tuition and fees:	\$4,414*	\$4,414
Books and supplies:	\$1,200	\$1,200
Living expenses:	\$6,577	\$11,594
Room/board		
Transportation		
Personal/Misc.		
Total	\$12,191	\$17,208

NOTE: All cost of attendance amounts reflect full-time enrollment over the nine-month academic year (fall and spring Semesters). Normally, a student applicant is awarded grant aid to cover tuition, fees, books and supplies expenses or a lesser amount in keeping with the determined financial need for that applicant. Higher allowances for books and supplies are made for students enrolled in nursing, physical therapy assistant, and veterinary technology.

\* Tuition and fees above are for Connecticut state residents. All New England and out of state residents should see the website or contact the Cashier's Office for out of state tuition and fee information. All tuition and fee charges are subject to change without notice. There are additional fees for manufacturing, clinical programs, lab courses and studio courses. Adjustments are made annually as new tuition and fee schedules are released, and adjustments are made to reflect inflationary changes in the Consumer Price Index for specific cost components. Students may also use the Net Price Calculator for a rough estimate of any out-of-pocket expenses.

## HOW FINANCIAL AID WORKS

The Financial Aid Office offers a "package" of grants and work-study employment to meet, but not exceed, an applicant's financial need. Applicant financial need is generally met with grant aid up to a level of direct costs for tuition, standard fees, books and supplies. Grants are gift aid and do not have to be repaid. All offers of financial assistance are conditioned upon whether there are remaining available funds, provided the applicant maintains general eligibility requirements and satisfactory academic progress.

Complete applications are evaluated and aid packages are constructed, resulting in award notifications being sent on a continuous basis throughout the aid year. Financial aid

decisions are governed by the date of application completion, as all award notifications are made on a first-come first-served basis. Financial aid award notification letters are sent to the student via the Banner Self-Service student information system of the Connecticut State Colleges and Universities and by postal letter.

Award notification letters show an academic year award by semester. Awards reflect expected full-time semester enrollment. If enrollment is not full-time, awards are reduced in proportion to the student's enrollment status. For example, a student enrolled for 9-11 credits would receive a prorated amount of 75% for three-quarter time enrollment status; a student enrolled for 6-8 credits would receive a prorated amount of 50% for half-time enrollment status. With the exception of Federal Pell Grants, other financial aid programs require at least half-time attendance per semester.

Additional forms must be completed for Federal Direct Student Loan and Federal Work Study awards. Loans require an entrance counseling interview. Loan Request Forms are obtained from the Financial Aid Office with information about the loan entrance counseling requirements. Students intending to borrow must also complete a Master Promissory Note. Students with work-study awards need to complete payroll documents (state and federal W-4 withholding forms and an I-9 form which confirms a student's identity and eligibility to work). When completing the I-9 form, students should present a state issued identification card (driver's license), social security card or birth certificate.

Be advised, financial aid grants and work-study awards are conditional upon NCCC's receipt of annual allocations from the U.S. Department of Education and the State of Connecticut. Therefore, specific financial aid awards are subject to change from year to year. Northwestern Connecticut Community College retains the right to make adjustments to individual student awards during the course of an award year. In the event that a higher proportion of students accept aid offered, or a larger number enroll as full-time students, the College may reduce various financial aid program funds to stay within the College's allocations and budgeted student aid funds.

## HOW AWARDS ARE PAID

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Financial aid awards are disbursed each academic term. Financial aid grant funds are first applied to student tuition accounts and pay any remaining charges owed to the College. If the amounts of grants exceed tuition and fee charges, the result is a "credit balance." Credit balances may be paid to the student by check or via direct deposit. For direct deposit, a student may enroll by completing the required checking account information in the menu of "Financial Services" in Banner Self-Service. Students may

also elect to use their credit balance to charge books in the Follett Book Store. The ability to charge books is authorized only three weeks before and two weeks after the beginning of classes. Any remaining funds will be refunded to the student via check or direct deposit.

Federal Work Study awards are paid to students based upon hours worked on a biweekly pay schedule. The Financial Aid Office conducts preliminary screening interviews of job applicants determined to demonstrate financial need eligibility. Qualified students are then referred to specific departments for further interview and a hiring decision. Through such screening, every effort is made to place students in community service jobs or jobs that provide added experience in their major program of study. Student workers are expected to arrange a work schedule which permits earning their work study award over the 30-week academic year or 15-week fall or spring semester. Work Study jobs, funds permitting, may also be available during semester intersessions and summer session. Students are expected to monitor their progress in earnings so as not to work beyond the funds allotted in their awards.

Federal Direct and PLUS Loans funds are forwarded to NCCC by electronic fund transfer (EFT). Funds are typically received after the fourth week of each semester. Funds are applied to student accounts and credit balances are refunded within 14 days of receipt of the actual funds. Refunds are made by check or wired directly to a student's bank account if enrolled in direct deposit.

## CONSORTIUM AGREEMENTS AND VISITING STUDENT STATUS

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In order for a student to become a visiting student to take coursework at another college through the provisions of a Consortium Agreement, students must be enrolled at NCCC and be registered in at least one three credit course at NCCC. The proposed coursework at the other college must be certified by an academic advisor or student development counselor at NCCC. The counselor/advisor must be able to certify that the student is fulfilling an academic requirement at NCCC. In order to ensure there is time to complete all Consortium Agreements, the form is required to be submitted to the Financial Aid Office no later than two weeks before the beginning of classes of any academic term, including summer session. With an on-time Consortium Agreement request, enrollment status and disbursement of funds will be based on the combined enrollment at both NCCC and the visiting college. The Financial Aid Office will process any financial aid that is available to be transferred to pay tuition. Applicants will be responsible to pay the fees at the host school at the time of registration. Disbursement of aid will be in the same manner as otherwise scheduled. Since there is no provision which allows transfer of funds to other colleges for



the purchase of books and supplies, students pursuing a Consortium Agreement are responsible for books and supplies expenses.

## REFUND AND REPAYMENT OF FINANCIAL AID AWARDS

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Awards are based upon enrollment as of the 14th day of the semester plus a few days of administrative time to establish a census date. At that time, a student's actual enrollment status is officially set for the rest of the academic term and any rules of prorated disbursement of aid are applied. Recipients not enrolled at that time will have 100% of their awards rescinded. At the establishment of the census date, students who have been identified by their instructors as not having attended their class will be reported to the Dean of Academic and Student Affairs for purposes of determining the correct enrollment status of those "no show" students. In conjunction with the census each semester, financial aid will be rescinded and the enrollment status adjusted upon approval of the Dean. After the census date, there is no adjustment to tuition and fee charges and financial aid awards are not reduced unless a student withdraws from all courses. A Title IV recalculation may then be necessary depending when a student withdraws from all courses.

## REPAYMENT OF FEDERAL TITLE IV STUDENT FINANCIAL AID

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Recipients of Federal Title IV student financial aid funds (PELL and SEOG Grants and Federal Direct Student and PLUS Loans) who completely withdraw from all semester credit-bearing courses either at one time or incrementally over the semester, will have their award eligibility recalculated according to Federal Title IV Regulation formula. Students who have not earned any credit after an academic term, but who have not officially withdrawn, are considered unofficially withdrawn and must have their eligibility for Federal Title IV aid recalculated.

Recipients, based on how long they remain enrolled (attending classes) in semester course work, earn Federal Title IV semester aid awards. A pro-rated award adjustment is made up until a recipient has been enrolled for more than 60% of the semester. Recipients who remain enrolled beyond the 60% point have earned their entire semester's aid award. For example, a recipient who withdraws from college after 3 weeks in a 15 week semester will have earned 3/15th or 20% of his/her federal financial aid award. If the recipient had a \$1,000 award, he or she would be eligible to receive \$200 ( $\$1,000 \times 20\%$ ). The balance of the award, or \$800, must be refunded or repaid by the College and recipient to the federal funds from which it came. In another example, a recipient who withdraws from the College after 12 weeks will have earned 12/15th or 80% of his or her federal financial aid award. This recipient

would have earned 100% of his or her \$1000 award since the enrollment exceeded the 60% point of the semester. The College and the recipient would not have to refund or repay any federal award funds after remaining in classes beyond the 60% threshold.

Award eligibility is calculated using days, not weeks, as was done in the examples above. Also, the College is responsible for returning a portion of the unearned funds equal to the lesser of College charges multiplied by the unearned percentage of student funds, or the entire amount of unearned funds. If the College is not required to repay the entire amount of unearned funds, then the recipient must repay the remaining unearned amount. The College will notify recipients in writing who have an obligation to repay Federal Title IV funds.

Unearned Title IV funds should be repaid to the College within 45 days. After 45 days, the College will provide recipients with instructions to develop a repayment plan with the U.S. Department of Education. After 45 days, a student with a balance still owed will lose eligibility for Federal Title IV financial assistance to attend any college. Be aware that if the College has to return unearned award funds to the U.S. Department of Education, this repayment would result in a student owing the College for unpaid college charges.

## ACADEMIC STANDARDS AND DURATION OF ELIGIBILITY FOR FINANCIAL AID

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### SATISFACTORY ACADEMIC PROGRESS POLICY FOR STUDENT FINANCIAL AID RECIPIENTS AT CSCU COMMUNITY COLLEGES

Federal regulations require that a student receiving financial aid under the Title IV programs make satisfactory academic progress (SAP) in accordance with the standards set by the Board of Regents and the US Department of Education pursuant to 34 CFR 668.34. The contents of this policy were approved by the Board of Regents on April 7, 2016, and are effective for periods of enrollment subsequent to the Spring 2017 semester.

### POLICY

Recipients of financial aid under the Title IV programs or other financial aid programs directly administered or certified by the college must maintain satisfactory academic progress towards the completion of a certificate or degree program. Students must be cognizant when selecting a program that certain certificates are not eligible for financial aid. The progress standards within are determined in accordance with a student's current primary curriculum in a certificate or degree program.

Satisfactory academic progress for financial aid recipients in both certificate and degree programs is determined using a student's cumulative academic history at the college,

by means of Cumulative Grade Point Average (qualitative) and Cumulative Pace (quantitative) components. A student must successfully complete the designated pace percentage (earned credits/attempted credits) according to their program of study. For financial aid purposes, all attempted credits resulting in either an academic grade or administrative transcript notation will be included in the quantitative calculation. Incomplete courses, course withdrawals, course repetitions, noncredit remedial courses (with appropriate credit equivalency evaluation), and ESL courses are also included in this assessment. Transfer credits are counted as both attempted and earned credits in the calculation for determining satisfactory academic progress.

For students who change majors or change between certificate and degree programs, a cumulative academic history is still considered and assessments will be performed based on the primary program of study. A student's cumulative academic history will be evaluated at the end of each payment period and prior to the subsequent term's financial aid disbursement. This policy will be used to evaluate all students uniformly, regardless of their enrollment level. In order to graduate, a minimum cumulative grade point average of 2.0 is required in all courses that are applicable to the program of study.

<b>Standards for Certificate Seeking Students Credits Attempted</b>	<b>Minimum Cumulative GPA</b>	<b>Minimum Completion Pace</b>
0 – 11.99	0.0	0.00%
12 +	2.0	67.00%

<b>Standards for Degree Seeking Students Credits Attempted</b>	<b>Minimum Cumulative GPA</b>	<b>Minimum Completion Pace</b>
0 – 11.99	0.0	0.00%
12 - 30.99	1.7	50.00%
31 - 49.99	2.0	50.00%
50 – 59.99	2.0	60.00%
60 +	2.0	67.00%

#### **Advising Requirement**

Students falling below a cumulative GPA of 1.7 and/or a minimum completion pace of 50%, will be required to meet with advising staff prior to continuing to receive financial aid.

#### **Repeat/Audit Coursework**

Financial aid recipients are limited to one repetition of a previously passed course in their program of study. The second repetition of a previously passed course will not be eligible for financial aid payment. Audit courses are not financial aid eligible.

#### **Communication**

Students will receive notification prior to the start of a period of enrollment via postal mail or email that will describe

any changes to the status of their academic progress. Updates to academic progress status will also be made available to students through myCommNet (<http://my.commnet.edu>).

#### **Maximum Credit Hours**

Students may receive financial aid for any attempted credits in his/her program of study that do not exceed 150% of the published length of the student's educational program at the college. For example, students enrolled in a 60 credit degree program may receive financial aid for a maximum of 90 attempted credit hours. Similarly, students enrolled in a 30 credit certificate program may receive financial aid for a maximum of 45 attempted credit hours. Any attempted credits at the college must be included in the calculation. The 150% maximum credit hours rule is applicable to students who change majors, programs or pursue a double major.

#### **Financial Aid Warning**

Students who fail to meet the minimum satisfactory academic progress standard will be placed on Financial Aid Warning only once during their academic career at the College. Students on Warning may continue to receive financial aid for one payment period despite a determination that the student is not maintaining satisfactory academic progress. The Warning period will be the student's next semester or period of enrollment at the college. Those students who achieve Satisfactory Progress after a Warning period but fail the academic standards at a later date will have an Unsatisfactory Progress status. The college will communicate the Warning status to these students and inform them that they must meet the academic progress standard by the end of the subsequent enrollment period in order to maintain eligibility to participate in the financial aid programs at the college.

#### **Unsatisfactory Progress**

Students who fail to meet the minimum satisfactory academic progress standard at the end of the Warning period will become ineligible for the financial aid programs at the College. The College will communicate a status of Unsatisfactory Progress to students and inform them of the available Reinstatement and Appeal processes.

#### **Reinstatement Process**

A student's financial aid eligibility will be automatically reinstated at such time as the student meets the minimum satisfactory academic progress standard. Reinstatement to the financial aid programs may also occur upon a successful appeal by the student (see the following section "Appeal Process").

#### **Financial Aid Probation**

Any student who fails to meet the minimum satisfactory academic progress standard for the end of the Warning

period will become ineligible from the financial aid programs at the college. Ineligible students have the opportunity to file an appeal regarding their unsatisfactory progress within the assessment for financial aid programs. Students that have failed the academic progress standard and have been approved with a successful appeal will be considered on Financial Aid Probation. The terms of Financial Aid Probation are set by the College during the Appeal Process.

### Appeal Process

A student may request consideration for reinstatement to the financial aid programs through the following Appeal Process:

If the student feels his/her failure to meet the minimum satisfactory academic progress standard was the result of an unusual or extraordinary situation that affected successful progress, the student may appeal to the Financial Aid Office. Personal mitigating circumstances could include illness or injury of the student or dependent of the student, a death in the immediate family, or other undue hardship as the result of special circumstances. An appeal form is available in the Financial Aid Office and must be submitted with acceptable documentation by the prescribed dates listed on each semester's academic progress notice. Late or undocumented appeals will not be accepted.

## FEDERAL STUDENT FINANCIAL AID

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**Federal Pell Grant.** Awards range up to \$6,195, or as amended by Congress, depending on student eligibility, enrollment status, and Congressional appropriations.

**Federal SEOG Grant.** Awards range from \$100 to \$400. Award preference is given to Pell Grant recipients demonstrating the highest financial need.

**Federal Work Study.** Awards provide part-time employment opportunities. An FWS award is paid to students as an hourly wage for employment services performed in on-campus jobs or with off-campus not-for-profit agencies functioning in the public interest or providing services to the community.

## WILLIAM D. FORD DIRECT LOANS

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**Federal Direct Loan.** This is a low interest loan for students made directly through the College from the federal government with an interest rate determined by federal legislation. Applicants with financial need qualify for interest subsidy benefits. Applicants without financial need may qualify for a loan without interest subsidy. Loan repayment begins after the borrower ceases to be enrolled at least half-time and expiration of a full six month grace period. Loan disbursements can be cancelled or partially reduced by written request of the borrower within 14 days of receipt of funds at the College. Federal Direct Loans may also have student default and origination fees. In order to use this loan to defer payment of tuition and fees, loan requests must be submitted to the Financial Aid Office at least one month before the beginning of classes.

**Federal Direct PLUS/Parent Loan.** Parents of NCCC students may borrow to assist with college costs. This loan is not need based, but is based on credit worthiness. The maximum loan amount is the cost of education less estimated other financial aid awarded. This loan also has an annual interest rate determined by Congress. Repayment begins within 60 days of both installments of the loan being fully disbursed to the College or may be deferred by requesting forbearance from the lender. Loan disbursements can be cancelled or partially reduced upon written request of the borrower within 14 days of receipt of funds at the College. In order to use this loan to defer payment of tuition and fees, loan requests must be submitted to the Financial Aid Office at least one month before the beginning of classes.

## CONNECTICUT STUDENT FINANCIAL AID

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### Roberta B. Willis Scholarships

Funds are allocated annually to NCCC by the Connecticut Office of Higher Education. These grants are earmarked for Connecticut residents enrolled in degree programs of study. The Financial Aid Office makes these need-based awards to applicants based upon assessment of financial need determined by the appropriate year FAFSA. A component for academic merit is also built into a merit and need-based Roberta B. Willis Scholarship program as determined by the Connecticut Office of Higher Education. In addition, Roberta B. Willis Merit Scholarships allows for the selection of a limited number of grants to recipients selected by the Office of Higher Education.

### CHESLA Need-Based Scholarship Program

The Connecticut Higher Education Supplemental Loan Authority (CHESLA) provides need-based college scholar-



ships to Connecticut residents attending Connecticut state or non-profit, degree-granting institutions of higher education within the state. The award will provide students with additional assistance, other than loans, to finance their college education. The maximum award, per academic year, may not exceed \$3000 for a full-time student or \$1500 for a half-time student.

**Northwestern Connecticut Community College Grant (NCCC Grant).** Funds are allocated annually to NCCC to provide grant awards to Connecticut residents who demonstrate need. Grants may not exceed tuition and fees, textbooks and supplies.

## STUDENT RESPONSIBILITIES

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All financial aid applicants and recipients are responsible for the following to:

Read and understand all information provided to them by the Financial Aid Office, including information contained in the College catalog.

- Inform the Financial Aid Office of any change in name; home address; email address; marital status; family size; receipt of awards from sources outside of NCCC, such as scholarships and grants, including employer education reimbursement programs, participation in WIOA, or changes in their academic majors (degree or certificate programs). Students engaged in student employment must promptly notify the Financial Aid Office upon withdrawing or not attending any credit course.
- Maintain accurate and up-to-date names, email and home addresses with the Registrar's Office as well as informing that office of any intention or request to withdraw from any class.
- Provide the Financial Aid Office with true, accurate and complete information and documents promptly when requested. Aid applicants are responsible for maintaining secure FSA ID numbers and managing their passwords to avoid any delay in their access to Banner Self-Service.
- Federal Direct Loan borrowers must complete an Entrance Counseling Interview before a loan is certified by the Financial Aid Office, and must sign a Master Promissory Note before their loan will be disbursed to the College. Federal Direct Loan borrowers must also complete an Exit Counseling Interview prior to leaving the College. Federal Direct or PLUS Loan applicants are subject to proration of the loan amounts requested if the loan period is less than one full academic year. The College reserves the right to reduce or deny a loan request on a case by case basis that takes into account the ability of an individual to successfully manage education loan debt.
- Monitor their records in Banner Self-Service by accessing the [www.my.comnet.edu](http://www.my.comnet.edu) portal to review their financial aid status and to respond to notices of requirements for the submission of verification data such as Federal Tax Return Transcripts. Failure to review information regularly and to comply with documentation requirements may result in cancellation, modification, or forfeiture of financial aid awards or eligibility for actual payment of financial aid award.
- Pell Grant applicants have until 120 days after their last day of enrollment (but not later than September 9th) in which to submit verification documents provided the Financial Aid Office has received a valid SAR output document. The latest a student may apply for a Pell Grant is June 30th following the previous award period (e.g. June 30, 2021, for the 2020-2021 fall/spring semesters).
- Inform the Financial Aid Office about any change of enrollment plans or subsequent inability to receive the funds offered by NCCC in order to allow other students access to those funds.
- Be well informed of the College's Satisfactory Academic Progress Policy and Procedures.
- Notify the Financial Aid Office promptly if financial circumstances change in order to have financial need re-determined and any revisions of the award amounts or programs considered.
- Read and understand the terms and conditions of any financial aid award, including the accompanying instructions and cautionary statements of the official notification of aid offered by the Financial Aid Office. This notification is in the form of a Financial Aid Award Notification Letter, which is posted to a student's record in Banner Self-Service and later sent as a postal letter.
- Register for classes in a timely fashion each semester.
- Understand that financial aid is not authorized to be paid to students if they do not register or attend classes. Financial aid cannot be used to pay for audited courses or enrolling in courses which do not fulfill a curriculum requirement of the academic program of study. Financial aid is not authorized to pay for a course previously completed successfully more than once.

# SCHOLARSHIPS

## SCHOLARSHIPS FOR NEW STUDENTS

The following scholarships are awarded by area high schools. To obtain an application, please contact the guidance counselor or principal at the high school.

**Barkhamsted Lions - Lattizori Family Scholarship** is awarded to a full or part-time student and is based on financial need and high academic achievement. Recipient must be a graduating senior of Northwestern Regional HS.

**Catherine Ann Jespersen Scholarship** is awarded to a graduating senior of Northwestern Regional HS. The recipient is selected by the HS principal on the basis of high academic achievement and must have a minimum of a cumulative "B" average.

**Walter M. Jespersen III Scholarship** is awarded to a graduating senior of Oliver Wolcott Technical School. The recipient is selected by the HS principal on the basis of good moral character, exemplary citizenship and demonstrated scholastic ability. Preference will be given to a candidate with education and interest in an electrical discipline.

**Pythian Scholarship** is awarded to a graduating senior of The Gilbert School and is based on academic achievement and a minimum cumulative GPA of 2.50.

The following scholarships are awarded by Northwestern Connecticut Community College. To obtain an application, please visit the college website.

**Professor Greg Banks Scholarship** is awarded to a student with a minimum GPA of 2.70 who has earned at least 30 college-level credits at NCCC. Scholarship will be awarded based on a student's display of integrity, individuality, and communication and reasoning skills. A letter of recommendation from a NCCC faculty or staff member is required.

**Raymond and Mary Banks Scholarship** is awarded to a student with a minimum GPA of 2.70, who is pursuing a teaching career in secondary or higher education, and who has demonstrated the personal attributes of passion for education and commitment to a strong work ethic.

**Barkhamsted Lions - Lattizori Family Scholarship** is awarded to a full or part-time student who is a resident of Barkhamsted and is based on financial need and high academic achievement.

**Ronald J. Begansky Scholarship** is awarded to a continuing student in the Business & Management Administration program at NCCC.

**Classified Staff Scholarship** is awarded to a continuing, matriculated student at NCCC with a minimum GPA of 2.50 and who will be enrolled for at least 6 credits and who does not qualify for federal grants (not including student loans) or other outside financial resources. Preference is given to a child/step-child of a Classified Staff member. Students who have received this award may not reapply.

**Draper Scholars Scholarships** are awarded to new students with high academic standing and demonstrated financial need. These scholarships fund full-time tuition and fees (excluding lab, studio, and/or clinical fees) for up to two years (four semesters). Students must be enrolled full time each semester and maintain good academic standing at NCCC and good citizenship in the community. Applicants must be graduates of The Gilbert School, Explorations Charter School, Housatonic Valley Regional HS, Lewis S. Mills HS, Litchfield HS, Northwestern Regional HS District #7, Oliver Wolcott Technical School, Torrington HS, or Wamog Regional HS.

**Professor John F. Ferguson Scholarship** is awarded to a student who has completed at least three history courses with a grade of B- or higher, has demonstrated strong academic performance and demonstrated involvement in community service and/or student activities.

**Helen Case Foster Scholarship** is awarded to a female student in her sophomore year.

**John G. Groppo Scholarship** is awarded to a continuing deaf or hard of hearing or an Interpreter Preparation student.

**Lucy B. LaMere Memorial Scholarship** is awarded to a Medical Assisting (A.S.) student.

**Lions Club Zones Scholarships** are awarded to students who demonstrate active involvement in activities which provide and promote service to others in the spirit of the Lions' Motto "We Serve." Preference is given to students pursuing a course of studies related to the Humanities.

**Dr. Elaine Stewart McKirdy Scholarship** is awarded to a full or part-time student who is enrolled in the Early Childhood Education program. A minimum cumulative GPA of 2.50 and demonstrated financial need are required.

**Mildred M. Murdock Scholarship** is awarded to a student enrolled in the fine arts program of the College. Preference is given to non-traditional students with financial need and academic potential.

**NCCC Student Employee of the Year Scholarship** is awarded to a NCCC student employee seeking his/her first degree or certificate. Candidates must be continuing students with demonstrated financial need and a minimum cumulative GPA of 3.0. Final selection will be based on the supervisor's nomination.

**Northwestern Connecticut Community College Honors Scholarship** is awarded to a continuing full-time, in-state student with a minimum cumulative GPA of 3.0. This scholarship funds tuition and fees (excluding lab and/or studio fees) for a period of two semesters with support from the Drapeau, Collins, Marcil, Quinlan, and Serafini Scholarship funds.

**Daniel H. & Ellen C. O'Grady Memorial Scholarship** is awarded to a continuing or graduating student with a minimum cumulative GPA of 2.70 who plans to transfer to a four-year college, and who exhibits an inquisitive imagination coupled with a love of language and literature.

**Professor Gautam K. Shah Memorial Scholarship** is awarded to a full-time, continuing Business & Management Administration student with demonstrated financial need and a minimum cumulative GPA of 2.50.

**Valley Thrift Shop Scholarships** are awarded to Nursing students with the highest cumulative GPAs.

**Robert C. White Scholarship** is awarded to a continuing art student who displays scholastic and artistic promise.

**John T. and Jane A. Wiederhold Foundation Scholarship** is awarded to a Veterinary Technology student (minimum enrollment of 6 credits) with a cumulative GPA 3.0 or higher. This scholarship funds tuition and fees two semesters.

**John A. Albani Scholarship** is awarded to a Criminal Justice student. A minimum GPA of 2.50 and active participation in the Criminal Justice Student Association are required.

**Raymond W. Atcheson Scholarship** is awarded to a continuing student at NCCC who has a minimum cumulative GPA of 3.0. Preference is given to a mathematics or science major, a veteran of the armed forces or a single parent.

**Sarino and Marguerite DiMauro Scholarship** is awarded to a continuing student who has completed one year of classes with a GPA of at least 2.50, and demonstrated financial need. Preference is given to students who are Deaf or Hard of Hearing, Interpreter Preparation, or Allied Health programs.

**James L. and Shirley A. Draper Scholarships** are awarded to continuing, matriculated students at NCCC with demonstrated high academic standing and financial need. Recipients must be graduates of The Gilbert School or Northwestern Regional HS #7.

**Regina M. Duffy Scholarships** are awarded to full-time and part-time continuing students.

**Marion William Edwards Scholarships** are awarded to: 1) a continuing Liberal Arts & Sciences student; 2) a student who is graduating and transferring with a major in a liberal arts field (preference is given for literature, journalism or humanities.)

**Northwestern Community College Foundation Scholarship** is a semi-annual award to be given each semester to a matriculated student. Preference is given to a student with demonstrated academic accomplishments.

**Phoenix Scholars Scholarship** is awarded to a full-time Business & Management Administration student. Selection criteria are based on scholastic achievement, participation in school activities, and demonstrated financial need.

**George L. Sherwood Scholarship** is awarded to a continuing or graduating NCCC history student who has achieved a GPA of 3.5 or better, and who is a resident of Northwest Connecticut.

**Alumni Association Scholarship** is awarded to a graduating student with a 2.5 cumulative GPA who has been accepted to a four-year college or university and who has demonstrated personal attributes of character, service and leadership as evidenced by active involvement at NCCC.

**Marie L. Hill Scholarship** is awarded to a graduate whose scholarship, character and attitude merit recognition.

**George J. Atcheson Scholarship** is awarded to a graduate with a high cumulative GPA who is transferring to a four-year college. Preference is given to a mathematics or science major or veteran of the armed forces.

**Raymond W. Atcheson Scholarship** is awarded to a graduate with a high cumulative GPA who is transferring to a four-year college. Preference is given to a mathematics or science major or veteran of the armed forces.



**Carmine E. Cornelio Scholarship** is awarded to a graduating student who is transferring to another college or university and is based on high academic achievement and financial need.

**Regina M. Duffy Scholarships** are awarded to: 1) a graduating student majoring in one of the natural sciences who is transferring to a four-year college or university; 2) a graduating student with a minimum GPA of 2.50. Preference will be given to a student who has served in Afghanistan or Iraq. Non-veterans must demonstrate strong financial need.

**Professor Greg Hager Memorial Scholarship** is awarded to a graduating student with a major in Liberal Arts & Sciences and a minimum cumulative GPA of 2.7. The recipient must demonstrate commitment to issues of social justice and dedication to the liberal arts. Evidence of such commitment may include political activism, volunteer work, etc.

**NCCF Nursing Scholarship** is given to the NCCC student with the highest grade point average who has been accepted into the Northwestern Nursing Program.

**Mary Ellen Serafini Scholarship** is awarded to a graduating student who is transferring to a four-year college. Preference is given to a working parent.



# ACADEMICS

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## BECOMING CONNECTICUT STATE COMMUNITY COLLEGE

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A merger of Connecticut's 12 community colleges is under way. As a part of this merger, modifications will be made to academic programs. Students who do not complete their programs by the end of the Spring 2023 term will be matched with the Connecticut State Community College (CT State) program that most closely aligns with the student's Spring 2023 program and is offered at Northwestern Connecticut Community College. The College is committed to students completing their education with a minimum of disruption. Further details can be found and will be updated on the Frequently Asked Questions page: [www.ct.edu/ctstate/academics](http://www.ct.edu/ctstate/academics).

## STATE AUTHORIZATION RECIPROCITY AGREEMENT

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The State Authorization Reciprocity Agreement (SARA) is an agreement among member states, districts and territories that establishes comparable national standards for interstate offering of postsecondary distance education courses and programs. It is intended to make it easier for students to take online courses offered by postsecondary institutions based in another state. SARA is overseen by a National Council and administered by four regional education compacts. The Connecticut Office of Higher Education became a member of SARA in 2017, thus allowing Northwestern Connecticut Community College to apply to be a member of SARA. This approval from CT OHE was finalized in 2019 and allows Northwestern Connecticut Community College to accept students from all SARA approved states which includes all states except California.

## GENERAL ACADEMIC INFORMATION

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### Student Rights and Responsibilities

Students are referred to College policies defining student rights and responsibilities contained in the Student Handbook, available online. In particular, students should be aware of definitions of academic dishonesty, expectations for student conduct, and the process to appeal an academic or administrative decision.

### Semester and Unit of Credit

A semester usually consists of fifteen weeks, excluding registration and final examinations. If the semester is shorter, the class periods are proportionally lengthened. One class period, or two or three periods of laboratory/stu-

dio/clinical work each week, is necessary for one semester hour of college credit.

### Course Requirements

During the first week of classes, the instructor distributes to each student a course syllabus and outline or overview, subject to subsequent modification, with information as to objectives, topics and assigned time frames, reading and attendance requirements, and an indication of evaluative and grading mechanisms to be used.

### Class Attendance

There is no college-wide attendance policy that applies to all classes. Each instructor develops and distributes to students his or her own participation policy during the first week of each semester. The instructor may notify a counselor if a student is absent from an entire week's classes in any subject or if the student's absences are deemed excessive. The student should notify both the class instructor and the Dean of Academic & Student Affairs if he or she is going to be out for an extended period because of personal emergencies.

Veterans are required by the Veterans' Administration to attend classes on a regular basis regardless of the attendance policy of the instructor. Signed attendance reports are sent by the student to the Veterans' Counselor. Poor attendance or lack of attendance by a veteran will result in termination of benefits.

### Make-up Work

Immediately upon returning to classes, a student should discuss with the instructor the academic work missed because of absences. Each instructor determines their own make-up policy.

### Definition of a Credit Hour

Northwestern Connecticut Community College defines one credit hour as one hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks, or the equivalent amount of work over a different amount of time. The "equivalent amount of work" includes laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

## CLASS CANCELLATION INFORMATION

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If snowy or icy driving conditions cause the postponement or cancellation of classes, announcements will be made on radio station WZBG as well as on television channels 3-WFSB, 8-WTNH, and 30-NBC. Students may also call the College directly at 860-738-6464 to hear a recorded

message concerning any inclement weather closings. The recorded message will be available two hours prior to the start of day, twilight (5:00p.m.), evening (6:30p.m.), and weekend classes. Radio and television stations will broadcast the announcements at about the same time period. Each group of classes will have its own cancellation announcement. Notification of class cancellation will also be posted on the College website. Students can sign up to receive text message alerts through myCommNet ALERT. Log into <http://my.commnet.edu> for more information and to sign up.

Classes at off-campus sites are cancelled if the College cancels classes or if the off-campus site closes its facilities.

Students are urged to exercise their own judgment if road conditions in their localities are hazardous. If, in an emergency, the Office of the Governor of the State of Connecticut announces closing of all State offices, no classes will be conducted at Northwestern.

## GRADING SYSTEM

The College uses the grading system listed below:

Achievement	Grade	Grade Point Value Per Semester Hour
EXCELLENT	A	4.0
	A-	3.7
GOOD	B+	3.3
	B	3.0
	B-	2.7
AVERAGE	C+	2.3
	C	2.0
	C-	1.7
PASSING, but below average	D+	1.3
	D	1.0
	D-	0.7
FAILURE	F	0.0
PASS in a pass/fail course	P	—
INCOMPLETE	I	—
WITHDRAWN	W	—
AUDIT	AU	—

### Grading System

Developmental grades (numbered below 100) will appear with the “#” sign after the letter grade to designate their status. These grades do not count in the GPA except for Financial Aid eligibility.

### Administrative Transcript Notations (not included in the GPA)

#### Audit (AU)

Students not wishing credit may audit a course.

#### Incomplete (I)

At the discretion of the instructor, the notation “I” may be assigned if a student has completed most of the course requirements but due to extenuating circumstances cannot complete the remaining course requirements within the regular semester. Although a student may request an Incomplete, the faculty member is not required to honor the request. All incomplete work must be made up by the end of the 10th week of the following semester. Any “I” not changed to a grade by the end of the following semester will be converted to a grade of “F”. Students with an incomplete are temporarily ineligible for semester or graduation honors.

#### Pass (P)

Used for successful completion of courses which are designated as such in the College Catalog. Twelve credit hours of “Pass” courses may be applied toward degree requirements.

#### Withdrawal (W)

See “Withdrawal from Courses” section.

Semester Hours	Grade	Weight Per Semester Hours	Total Grade Points Earned
4 of	A x	4.0	g.p.a. = 16.0
3 of	B+ x	3.3	g.p.a. = 9.9
3 of	B- x	2.7	g.p.a. = 8.1
2 of	C x	2.0	g.p.a. = 4.0
3 of	D+ x	1.3	g.p.a. = 3.9
1 of	F x	0	g.p.a. = 0

16 semester hours of credit for a total of: 41.9 grade points

To determine the grade point average for the semester's academic work, the number of grade points is divided by the number of semester hours of work:

$$41.9 \div 16 = 2.62$$

The cumulative grade point average indicates the academic record of the student for the total period of time at the College. To compute the cumulative grade point average, the total number of grade points is divided by the total number of semester hours of credit completed. Grades in courses numbered below 100 are not included in computation of GPA (except for Financial Aid eligibility).

#### Repeating a Course

A course may be repeated only twice with receipt of a grade of “A-F” (meaning it may be taken a total of three times). The highest grade received will be used in calculating the student's GPA. All other grades earned for the same course will appear on the transcript with the annotation of “I” (include) or “E” (exclude). This does not apply to those courses that are designated to be repeated for additional credit. There are financial aid limitations for repeated courses. Students should check with the Financial Aid Office.



## Withdrawal from Courses

Authorization to withdraw from a course is granted by the Registrar after a student has withdrawn online in myCommNet or has submitted a completed Withdrawal Form by the deadline. Follow up is the responsibility of the student.

A student may withdraw from a course(s) with a "W" up to the end of the 11th week of the semester (for the Fall and Spring semesters). This deadline is published on the Academic Calendar. The withdrawal deadline for accelerated (early finish or late start) courses is at the 75% completion date of the course.

A student who misses the withdrawal deadline and has the instructor's permission to withdraw from the course may file an appeal for withdrawal after the deadline. The student must submit a completed "Appeal for Withdrawal After the Deadline" form, including the instructor signature, to the Registrar's Office by the last day of regular classes. No late forms are accepted.

After the withdrawal deadline, an instructor may deny the request for withdrawal and record an "F" in accordance with his or her written course outline policy. The "F" will be recorded by the faculty member at the end of the semester.

A student may not obtain a transcript notation of "W" in a course if there exists substantial reason to believe the student has engaged in a violation of academic integrity in the course. A transcript notation of "W" will only be permitted for such a student when the final resolution results in finding the student did not commit a violation of academic integrity in the course.

Any student who stops attending a class and fails to complete a withdrawal form may receive a failing grade in the course.

If a student who is receiving financial aid withdraws from a course, he or she must notify the Financial Aid Office immediately.

If a veteran withdraws from a course, he or she must notify the Veterans' Counselor immediately, and also follow the withdrawal procedures of the College. When the veteran withdraws, the College must notify the Veterans Administration which may reduce the educational assistance payments to the veteran. Reduction in the veteran's training status becomes effective the first day of the semester unless mitigating circumstances are found.

## Grade Reports

Grade reports are not mailed to students. Semester grades are available by logging into <http://my.commnet.edu>

## ENROLLMENT VERIFICATION

Verification of enrollment status for purposes of student loan providers and/or insurance providers can be obtained by logging into <http://my.commnet.edu>

- Log on with your NetID and password.
- Click "Banner Student & Faculty Self-Service".
- Click "Student Records".
- Click "Enrollment Verification Request".
- You will be redirected to the National Student Clearinghouse webpage. Follow the instructions to print an Enrollment Verification Certificate.

### Transcripts

There are two types of Official Transcripts that you can send. eTranscripts are requested online and sent electronically within 24 hours. Paper Transcripts are also requested online but are printed on official paper and mailed.

#### eTranscripts (electronic)

If you are a current or recent NCCC student and have your NetID and password, you can submit an official transcript request through myCommNet.

- Login to myCommNet.
- Click on "Banner Student & Faculty Self-Service" box or click on the graduation cap icon in the top right corner.
- Click on "Student Records".
- Click on "Transcripts" and select Official eTranscript.

If you don't know your NetID and password, you can check our webpage for information on how to request an eTranscript.

#### Printed Paper Transcripts – two ways to request:

1. Request online through "Banner Student & Faculty Self-Service"
  - Current and recent NCCC students can follow the same instructions as outlined for eTranscripts above. Under Transcripts select "Official Paper Transcript" and your transcript will be printed and mailed to the destination you provide.
2. Submit a Transcript Request Form
  - A Transcript Request Form is available in the Registrar's Office and on our website. Print, fill out and sign, then mail or fax the Transcript Request Form. The form must be completed and signed for us to mail out a Transcript.

*Printed and mailed Transcripts will be processed within 7 - 10 days. We cannot process Transcripts while you wait.*

## ACADEMIC HONESTY AND PLAGIARISM

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At NCCC we expect the highest standards of academic honesty. The Board of Regents' Student Code of Conduct policy specifically states that students refrain from plagiarism. Plagiarism is defined as the submission of work by a student for academic credit as one's own work of authorship which contains work of another author without appropriate attribution. Cheating includes, but is not limited to: (i) use of any unauthorized assistance in taking quizzes, tests or examinations; (ii) use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems or carrying out assignments; (iii) the acquisition, without permission, of tests or other academic material belonging to a member of the College faculty or staff; (iv) engaging in any other behavior specifically prohibited by a faculty member in the course syllabus, either intentionally or unintentionally. The consequences for plagiarism are defined in the course syllabus.

Faculty can assign a grade of "F" to any student found guilty of academic misconduct. Such an "F" cannot be overridden by a student-initiated "W" (withdrawal from the specific class or withdrawal from all classes).

## COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

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The College-Level Examination Program (CLEP) is a national system of awarding college credit by online examination. Sponsored by the College Board, CLEP is used by more than 2900 colleges and universities in the United States and is available to admitted and enrolled students of Northwestern Connecticut Community College.

CLEP enables students and adults to demonstrate knowledge based on non-classroom experience and to validate their learning by receiving college credit on the basis of examinations. CLEP also provides information for use in counseling and in placing enrolled college students.

Subject Examinations are designed to measure achievement in more than thirty undergraduate subjects. Students may earn credit by passing subject examinations in specific courses comparable to those in the current Northwestern catalog. To earn credit, the scores achieved must be comparable to the average score of students who obtained grades of "C" (2.0) in similar college courses.

The CLEP tests may be repeated after three months. Grades are not given; therefore, CLEP credits do not affect the student's grade point average. When students receive an acceptable score on an examination, the equivalent

course title, course number, and semester hours of credit are recorded with the notation "CLEP."

Students who wish to transfer CLEP credits to Northwestern should consult the Admissions Office about minimum acceptable CLEP scores and the maximum number of credits that may be used toward a degree. A CLEP chart is available on the NCCC Student Information page.

Examinations are given at NCCC to Northwestern students by special appointment and monthly at a number of testing sites in Connecticut. Please contact the Academic Success Center at 860-738-6351 for further information on testing times, dates and fees. The College Board's website also offers information about the examinations: <http://clep.collegeboard.org/>

## ADVANCED PLACEMENT

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Degree credit will be granted on the basis of scores on the Advanced Placement Examinations (AP Exams) administered by the College Entrance Examination Board. Students who earn scores of 3 or higher receive credit for those courses for which the examinations are stipulated.

## CREDIT BY EXAMINATION

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In certain cases, the College grants credit for the successful completion of a written examination prepared by the College faculty in subject areas not included in CLEP. The student must first apply to the appropriate Program Coordinator for evaluation. This evaluation may include an interview with the student. To apply for Credit by Examination, the student must be a matriculated student and must be registered at the College during the semester the examination is to be administered.

The Program Coordinator will inform the student of the decision and arrange a time for the examination, if the application has been approved. When an acceptable score is received, the course title, number, and hours are recorded with the notation "credit by examination." No grades are given and the student's grade point average is not affected. Examinations may be taken only once and in subject areas in which the student has not received college credit in more advanced courses.

The charge for credit by examination is \$15.00 per examination.

Students who wish to transfer credits received by examination should check the transfer institution's policies concerning their transferability.

## COURSE WAIVER AND SUBSTITUTION

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Under special circumstances, students may receive waivers of specific course requirements and seek a course substitution. Applications can be obtained from the office of the Dean of Academic & Student Affairs or from the Registrar's Office.

## EXPERIENTIAL LEARNING PROGRAM

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Northwestern is receptive to the practice in American higher education of awarding credit in recognition of experiential learning acquired through non-college experiences such as employment, volunteer activities, community service, travel, military training, study in employer-sponsored or other non-college accredited programs, private study, and leisure activities.

The awarding of credit(s) to an applicant under this program is recognition by Northwestern that the student has demonstrated competency in a given subject area or course. Credit is awarded for the learning acquired through the experiential setting, not for the experience itself. The student may apply for evaluation or assessment of the learning under any one or all of the following procedures:

1. Credit by Examination
  - a. Commercially-produced Examination (e.g., CLEP)
  - b. College-produced Examination
2. Credit for Work Experience in lieu of:
  - a. Field Work Requirements
  - b. Cooperative Work Experience Requirements
  - c. Industry Recognized Certifications
3. Portfolio Content Assessment

Students who earn college credit at Northwestern by these methods and who plan to transfer are advised to check that institution's policies concerning the transferability of experiential learning credits well in advance of making formal application for admission to that institution. Students interested in Experiential Learning should obtain copies of the Northwestern Manual of Procedures for Experiential Learning Credit from the office of the Dean of Academic & Student Affairs.

No tuition is charged for credits awarded for successful performance under any procedure described under the Experiential Learning Program. However, an Academic Evaluation Fee may be charged each time a student utilizes College-Produced Examinations, Credit for Work Experience, or Portfolio Content Assessment. No evaluation fee is charged for credits awarded to a student for completion of a training program which has already been

evaluated and approved for credit by the College. CLEP fees are payable directly to the College-Level Examination Board.

## CREDIT FOR LEARNING ACQUIRED IN EMPLOYMENT

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A student who has completed one year of satisfactory full-time employment in a position directly related to the College career program in which he or she is enrolled may apply for three college credits. These credits may be granted in lieu of the required Field Work or Cooperative Work Experience after the student has completed 45 credit hours toward the degree. In addition, the student must be enrolled in a degree program and be registered at the College during the semester when the evaluation credit is processed. The student must apply to the Dean of Academic & Student Affairs, who forwards the application to the appropriate Division Director, Program Coordinator or Department Chair for processing and evaluation. The evaluation includes an examination by a faculty member. The Dean determines whether or not credit will be granted and informs the student of the decision. See Special Fees.

Students interested in Credit for Work Experience should read page four of the Northwestern Manual of Procedures for Experiential Learning Credit. This document may be obtained from the office of the Dean of Academic & Student Affairs.

## INDEPENDENT STUDY

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Faculty members in various disciplines permit some students who have already successfully completed a number of courses in a given subject area to enroll in an independent study course for credit and a grade. In each independent study course, the student proposes in writing the specific objectives and procedures of the independent study project and the number of credits requested. Before registering, the proposal must be approved in writing by the faculty member with whom the student will work. The proposal and written agreement become part of the student's permanent file.

## THE CONNECTICUT GENERAL ASSEMBLY LEGISLATIVE INTERNSHIP PROGRAM

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In recognition of the need to provide educational opportunities which are not available to college students in the traditional academic setting, the General Assembly established an internship program to acquaint students with both the formal and informal aspects of the legislative



process. Accordingly, the program encourages a high level of personal interaction among legislators and interns who serve as aides to their assigned legislators. A major objective is to prepare interns to perform necessary support services, such as bill analysis and tracking, spot and in-depth research, drafting of news releases and speeches, liaison work, and constituent casework.

Students at Northwestern may participate in the program and may earn six or twelve college credits. See Political Science (POL\* 295) in Course Descriptions.

The selection of students is made by the General Assembly's Committee on Legislative Staff Internships. Applications and letters of reference are due on November 1st. The committee interviews each candidate and selects approximately ninety interns, both full-time and part-time, to serve for a legislative session. Appointments are announced in December following November interviews.

Interns are assigned to legislative leaders, committee chairpersons, ranking members, and other legislators. A workable and mutually beneficial relationship between the legislator and the intern is a prime goal of the internship program.

For further information, please contact Maureen Chalmers [mchalmers@nwcc.edu](mailto:mchalmers@nwcc.edu) early in the Fall semester.

## ACADEMIC STANDARDS

Satisfactory completion of 50% of the courses attempted (this phrase means actual continued enrollment beyond the add/drop period) will be the minimum standards for good standing.

### Dean's List

Honors for exemplary academic achievement are awarded to Connecticut Community College students at the end of each semester and at graduation. Grades in courses numbered below 100 are not included in computation of GPA for semester honors. This policy includes the following eligibility requirements:

- Full-time students who are matriculated in a certificate or degree program and who successfully complete 12 or more credits of work in a semester with a grade point average of 3.4 or higher shall be recognized by having their names placed on a Dean's List.
- Part-time students who are matriculated in a certificate or degree program are also eligible for such recognition when they have completed 12 or more credits of work with a cumulative grade point average of 3.4 or higher. They may be subsequently recognized at the completion of an additional 12 or more credits of work with a cumulative grade point average of 3.4 or higher, and at successive intervals of 12 credits.

- A course Withdrawal or Incomplete shall make the student ineligible for Dean's List recognition that semester. Students who withdraw will not be eligible for Dean's List in that semester.
- Students who are in a probationary status are not eligible for Dean's List recognition, even if their cumulative grade point average might otherwise make them eligible.

### Phi Theta Kappa

Phi Theta Kappa is the International Honor Society for two-year colleges. Northwestern's Alpha Nu Epsilon chapter was established in 1987. Membership into Phi Theta Kappa is by invitation. Students who meet the following requirements are considered for membership: 1) have completed at least 12 college level credits which can be applied to an associate's degree; 2) a GPA of at least 3.45; and 3) be of good moral character and possess recognized qualities of citizenship. Membership in Phi Theta Kappa offers a variety of opportunities for scholarships, intellectual enrichment and personal development through programs based on the society's four hallmarks of Scholarship, Leadership, Service and Fellowship. For more information, contact Professor Bryda [tbryda@nwcc.edu](mailto:tbryda@nwcc.edu), Professor Wiggins [cwiggins@nwcc.edu](mailto:cwiggins@nwcc.edu) or Professor Gusky [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu)

### Academic Probation and Suspension

A student who fails to maintain the following minimum Cumulative Grade Point Average (CGPA) is placed on Academic Probation:

• 0 - 11 credits	1.50	Written Warning
• 12- 30 credits	1.70	Academic Probation
• 31 + credits	2.00	Academic Probation

Students placed on Academic Probation will be required to take a reduced course load (maximum of 9 credits). Students who, after being on Academic Probation for one semester, fail to attain the required CGPA as shown above, will be Suspended (registration prohibited) for one semester.

Students may appeal either Academic Probation or Academic Suspension status by completing a form (available in the offices of Student Development, Faculty Secretary, and the Dean of Academic & Student Affairs) and submitting it along with a letter of request to the Dean of Academic & Student Affairs which are forwarded to the Academic Policy Committee for a decision. Deadlines for submission are January 10 (for Spring semester), June 15 (for Summer session and for Fall semester – early consideration), and August 15 (for Fall semester).

Students whose Appeals are granted will retain the same Academic Probation or Academic Suspension Academic Standing – they will not revert back to regular or previous

status. Academic Probation approved Appeals will be able to register for a specified number of credits (more than 9) as determined on a case-by-case basis by the Academic Policy Committee in hearing their appeal. Academic Suspension approved Appeals will be able to register for a specified number of credits (as opposed to being prohibited from registering for any credits) as determined on a case-by-case basis by the Academic Policy Committee in hearing their Appeal.

### Reinstatement of Students

A student who has been suspended from the College for academic reasons will be reinstated as a student on Academic Probation the following semester.

### Withdrawal from College

A student who wishes to withdraw from the College should:

1. Withdraw online in myCommNet or obtain the necessary withdrawal form from the Registrar's Office;
2. Clear all library obligations with the Director of Library Services;
3. Inform the Financial Aid Office, if a Financial Aid recipient;
4. Clear all obligations with the Business Office;
5. Return the completed withdrawal form to the Registrar by the Withdrawal Deadline.

### Application For Graduation

A Graduation Application Form, along with a completed Graduation Plan, or Degree Works audit, signed by the student's advisor must be submitted to the Registrar's Office by the posted deadline. **The application is required regardless of whether or not the student attends the commencement ceremony.**

## GRADUATION INFORMATION

### Commencement

As part of the total educational program at the College, students are encouraged to attend scheduled commencement and convocations during the academic year.

### DegreeWorks

DegreeWorks is a comprehensive, easy-to-use web-based planning tool to help students and advisors monitor a student's progress toward degree completion. DegreeWorks provides a more accessible, convenient, and organized way for students to know where they are academically and how they can plan the rest of their college careers. DegreeWorks is designed to aid and facilitate academic advising, but it is not intended to replace face-to-face advising sessions. DegreeWorks is neither an official transcript nor an official notification of degree requirements.

### Degree Requirements

1. Transfer credit may be granted for courses which are comparable to those offered at the College.
2. Matriculation\* to the College must be completed.
3. Completion of degree requirements is as follows:

#### Associate in Arts Degree:

- A minimum of 60 semester hours of credit in an approved program which must include 15 semester hours earned at Northwestern Connecticut Community College.
- A cumulative grade point average of no less than 2.00 (not including developmental courses).
- Completion of a one year sequence of a foreign language (American Sign Language is recognized as a foreign language at NCCC). The language requirement will be waived for any student who has completed 3 years of a single foreign language in high school with a grade of C or better. If the language requirement is waived six credits in liberal arts courses will be substituted.
- Completion of two laboratory science courses (8 credits).

#### Associate in Science degree:

- A minimum of 60 semester hours of credit in an approved program, which must include 15 semester hours earned at Northwestern Connecticut Community College.
- A cumulative grade point average of no less than 2.00 (not including developmental courses).

#### Multiple Degrees:

- A student who already holds an academic degree may earn a second degree in a different curriculum at a community college. Such a student shall be treated similarly to a transfer student with respect to the minimum number of credits he or she must take for the second degree. This will require that a student meet all program requirements and earn at least 25% of the minimum requirements for the new curriculum at the college through which the second degree is to be conferred.
- A student may earn two degrees simultaneously at a community college by fulfilling all requirements stated above.
- Requests for additional degrees beyond the second require prior approval from the Dean of Academic & Student Affairs. Students who receive approval must then complete all program requirements, including earning at least 25% of the minimum requirements for the new curriculum at the college through which the degree is to be conferred.
- Completion of the requirements of an additional program option does not constitute a different degree.

4. Completion of a graduation application.
5. Fulfillment of all financial obligations.

*\*(Matriculation: enrolled in a program of study)*

### Certificate Requirements

1. Transfer credit may be granted for courses which are comparable to those offered at the College.
2. Matriculation\* to the College must be completed.
3. Completion of certificate requirements includes the required number of semester hours of credit in the approved program which must include 12 semester hours earned at Northwestern Connecticut Community College.
4. A cumulative grade point average of no less than 2.00 (not including developmental courses).
5. Completion of a graduation application.
6. Fulfillment of all financial obligations.

*\* (Matriculation: enrolled in a program of study)*

### Catalog Graduated Under

If a student does not need to be readmitted\* to the College he or she may graduate under the current catalog requirements or the catalog requirements under which he or she entered, providing it is not older than 10 years. If a student has re-admitted, he or she may graduate under the re-admit catalog, provided it is not more than 10 years old, or the current catalog.

\* Students who have not taken classes at the College for two or more years need to be readmitted to the College through the Admissions Office.

### Graduation Honors

Graduation Honors, designated in Latin or English:

3.9 to 4.0 grade point average – Highest Honors

3.7 to 3.89 grade point average – High Honors

3.4 to 3.69 grade point average – Honors

**Please note:** An incomplete grade for any class during the semester will make the student ineligible for honors at graduation. Grades in courses numbered below 100 are not included in computation of GPA for graduation honors.

### Presidential Medallion

An Associate Degree student who has earned a GPA of 4.0 and completed a minimum of 50% of coursework at NCCC shall be appropriately recognized as graduating with Highest Honors and receive the Presidential Medallion at Commencement.

### Selection Criteria for Valedictorian and Salutatorian

The following criteria are established for the selection of class valedictorian and salutatorian:

1. highest and second highest overall GPA;
2. at least 31 credits must be earned at NCCC;

3. have no prior earned degree higher than an associate degree;
4. associate degree candidate.

In the event of a tie, the student with the fewest number of repeats and withdrawals will become class valedictorian. If both students have the same number of repeats and withdrawals, there will be co-valedictorians with no salutatorian.

## NOTIFICATION OF RIGHTS UNDER THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. **The right to inspect and review the student's education records within 45 days of the day the College receives a request for access.** Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. **The right to request amendment of an education record that the student believes is inaccurate.** Students may ask an appropriate College official to amend a record that they believe is inaccurate. However, FERPA is not intended to provide a process to question substantive judgments that are correctly recorded. Consequently, FERPA amendment requests do not allow a student to contest a grade in a course because the student believes that a higher grade should have been assigned. To request amendment of an education record, the student should write to the official, clearly identifying the part of the record he or she wants changed and specifying why he/she believes it is inaccurate. The institution will notify the student of the decision. If the institution decides not to amend the record as requested by the student, a College official will advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.



3. **The right to provide written consent before the College discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.** FERPA permits disclosure without a student's prior written consent under the FERPA exception for disclosure to school officials who have a legitimate educational interest. A "school official" is a person employed by a College in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the Board of Regents; an employee of the Board of Regents System Office; or, a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the College who performs an institutional service or function for which the College would otherwise use its own employees and who is under the direct control of the College with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the College. Upon request, the College also discloses education records to officials of another school in which a student seeks or intends to enroll without the prior consent of, or notice to, the student.

**FERPA also permits disclosure of education records without consent in connection with, but not limited to:**

- To comply with a judicial order or a lawfully issued subpoena;
- To appropriate parties in a health or safety emergency;
- In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid;
- To certain officials of the U.S. Department of Education, the Comptroller General, to state and local educational authorities, in connection with certain state or federally supported education programs;
- To accrediting organizations to carry out their functions;
- To organizations conducting certain studies for or on behalf of the College;
- The results of an institutional disciplinary proceeding against the alleged perpetrator of a crime of violence to the alleged victim of that crime with respect to that crime;
- Directory information as defined in the policy of the Board of Regents.

4. **The right to refuse to permit the College to release Directory Information about the student, except to school officials with a legitimate educational interest and others as indicated in paragraph 3 above.** To do so, a student exercising this right must notify the College's Registrar, in writing. Once filed, this notification becomes a permanent part of the student's record until the student instructs the College, in writing, to remove it. A student may exercise his or her right to opt out of Directory Information, prohibiting disclosure of the student's information without the student's consent as noted in section 3, except however, that pursuant to the Solomon Amendment, military recruiters must be provided the same access to student information as is provided to nonmilitary recruiters.

5. **The right to file a complaint with the U.S. Department of Education concerning alleged failures by Colleges to comply with the requirements of FERPA.** The name and address of the Office that administers FERPA is:

**Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202-4605**

**Directory Information Policy**

Acknowledging that Directory Information is FERPA protected information that may be disclosed at the discretion of the College, it is the policy of the Board of Regents for Higher Education for the Connecticut State Colleges and Universities that disclosure of Directory Information is within the sole discretion of the College. The College may disclose Directory Information without the prior consent of the student only as provided herein.

**The Board of Regents for Higher Education has designated the following as Directory Information:**

For purposes of access by school officials of the Colleges and Universities governed by the Board of Regents for Higher Education, the following is designated as Directory Information:

- Student name
- Permanent mailing address
- Month and day of birth
- Photographs
- Student identification number, User ID, or other unique identifier
- Email address
- Telephone number
- University or College previously attended or currently attending
- Dates of attendance
- Full vs. part-time student status
- Awards and honors
- Class standing/year

- Major, minor, concentration and/or program of study
- Degree(s)/Certificate(s) candidacy
- Degree(s)/Certificate(s) earned
- Previous Institutions attended
- Graduation expected/completion dates

For purposes of access by military recruiters only, the following is designated as Directory Information (Student Recruiting Information):

- Student's name
- Permanent mailing address
- Telephone number
- Age
- Place of birth Class standing/year
- Major and/or program of study
- Degrees received
- Most recent educational institution attended

For purposes of participation in any recognized activity or sports, the following is designated as Directory Information:

- Student's name
- City and State of Residence
- Dates of attendance
- Class standing/Year
- Recognized activity or sport
- Team performance statistics
- Team position
- Photos and videos
- Awards
- Height and weight of athlete

For purposes of disclosure to/access by the general public, the following is designated as Directory Information:

- Student's name
- Permanent mailing address
- Photographs
- Dates of attendance
- Major, minor, concentration and/or program of study
- Degree/Certificate candidacy
- Degree(s)/Certificate(s) earned
- Awards
- Full vs. Part-time status
- Anticipated graduation date
- Graduation date
- Connecticut Community College Only - Student identification number, User ID, or other unique identifier

### Student Record Retention

Student files are maintained only for matriculated students and may contain: acceptance letters, advance placement letters, applications for admission, miscellaneous correspondence, immunization records, placement test scores, official high school transcripts, official college transcripts, change of grade forms, change of major forms, course substitution forms, credit by exam forms and name/address change forms. Matriculated students who gradu-

ate will also have a graduation application and a degree evaluation in their file. Matriculated student files will be maintained by NCCC for a period of 7 years from the date of graduation or the last date of attendance. Beyond 7 years, the matriculated student file and its contents will be destroyed.

Academic history for all students (credit courses taken and grades) will be maintained for the life of the College.



## STUDENT SERVICES

### Center for Student Development

The Center for Student Development is dedicated to fostering student success and a sense of belonging for all students attending Northwestern Connecticut Community College.

Students can find information about Academic Advising, Disability/Accessibility Services, Career Services, Veterans Affairs, Transfer, Health and Wellness and Community Resources by exploring our web pages and/or stopping by our offices. We offer personalized and professional assistance to students, whatever their interests or needs.

Our offices are located on the second floor of Greenwood Hall, 119 N Main Street, Winsted, Connecticut. We are open Monday - Friday 8:00 AM – 4:30 PM and Wednesday evenings 4:30 - 6:30 PM, throughout the year. For more information, please call us at (860) 738 - 6420.

### Listing of Services:

- **Academic Advising:** Academic advising is a top priority at NCCC. As advisors, our role is to partner with students to create opportunities and to develop academic options and choices for students.

Our advisors assist students who are undeclared/undecided, are in a traditional major, or are transitioning between majors. We can help students to find answers about requirements and policies, register for classes, find a tutor, change a major, add/drop class(es), explore options for academic majors and careers, find a career event, learn about opportunities to enhance classroom experiences, and many others.

- **Disability/Accessibility Services**

Disability/Accessibility services at NCCC ensures that members of our campus community with disabilities have opportunity for full participation and equal access to campus resources and is committed to a culture of inclusivity that embraces students, faculty, and staff of all means and backgrounds.

- **Career Services**

Our primary goals are to provide assistance in making career and related educational decisions, serve as a resource for information regarding internships, jobs and networking resources and trends and actively support students and alumni in their search for employment. Services provided: Major exploration, Job fairs Career info and exploration, Career planning, Cover letters, Résumés' Internships, Job search strategies, Mock interviews, Networking, On-campus recruiting, and Self-assessments

- **Veterans Affairs**

Northwestern Connecticut Community College is proud to offer a variety of veteran's benefits for our students who are serving or who have served our country. We honor their courage and dedication to education. We can't think of a better way to show our appreciation for their fighting for freedom than by offering financial assistance to those veterans who need it most. Whether on active duty, the reserves or anything in between, there is assistance available at NCCC.

- **Transfer**

Northwestern Connecticut Community College offers a variety of programs which are easily transferable to Connecticut State Universities, Charter Oak, UCONN, and other nursing programs. Select your goal from the options below to learn more.

- **Health and Wellness**

Our counselor(s) have the professional expertise and experience to help students grow in self-understanding and to gain insight into the nature of everyday problems and begin solving them more efficiently. The counseling staff can discuss your academic issues and dilemmas, assist with resolving conflicts affecting school work, and help make related life decisions. Through counseling programs and services we also help students develop skills to cope, manage stress, build confidence, and alleviate other personal barriers to your success in college. Referrals to outside agencies as needed.

- **Community Resources**

Northwestern Connecticut Community College is proud to be a part of the northwestern Connecticut community. While we are intent on offering NCCC students the best educational experience possible, we also enjoy giving back to our community. And we believe that community outreach offers our students the opportunity to grow and learn in other ways besides just academically. It is another way for NCCC students to truly feel a part of something special. All while making a huge impact on the campus and our surrounding neighbors.

- **Title IX/Sexual Harassment and Assault/CARE**

In supporting our student-centered community, NCCC strives to provide a safe and secure academic and work environment for our students and employees alike. We have a federal and state obligation to prevent and efficiently and effectively address complaints of sexual harassment and assault. The Title IX Coordinator is the staff member responsible for handling and addressing these types of issues for students. Human Resources handles sexual harassment and assault issues for staff and faculty. However, when a student and employee are involved in the same incident, the Title IX Coordinator and Human Resources



will work together to ensure the rights and appropriate disciplinary procedures are followed for each member of the campus community. This ensures that we treat our campus population equitably.

## DISABILITY > ACCESSIBILITY SERVICES

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### Student Disability Services Staff

Daneen M. Huddart, M.A.  
Learning Disability Specialist  
NCCC, Green Woods Hall, Room 207  
860-738-6318  
[dhuddart@nwcc.edu](mailto:dhuddart@nwcc.edu)

Northwestern Connecticut Community College (NCCC) is committed to equal access for students with disabilities.

Academic adjustments are provided to students with documented disabilities to allow equal access for academic and campus programs. After the documentation is submitted, the counselor for students with disabilities works with the student to identify appropriate academic adjustments. The final determination of academic adjustments rests with the college based on supporting evidence.

Please note that the IDEA (*Individuals with Disabilities Education Act*) does not apply to postsecondary education students. Thus, a special education curriculum is not provided. Students are not eligible for academic adjustments that fundamentally alter the essential nature of a course or program of study.

### General Disability Services

1. Intake Interview and Orientation for Students with Disabilities
2. Accessibility information
3. Liaison between faculty and students as needed

### Specific Disability Services for Students with Documented Need

1. Testing accommodations
2. Note-Takers
3. Adaptive Technology for use at the college: Kurzweil Reader, Dragon Speaking Naturally, JAWS, Zoom-Text
4. Audiobooks
5. Individual Evacuation Plan

**Note:** Transportation to the college is the responsibility of the student.

### Tutoring Services

NCCC does not offer specialized tutoring services for students with learning disabilities. However, tutoring is available for various subjects through the Academic Success Center in Founders Hall, Room 307.

## PROCEDURES TO REQUEST ACADEMIC ADJUSTMENTS

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### Step 1: Apply for Admission

### Step 2: Take the Admissions Placement Test

Applicants who have submitted a completed NCCC application will receive a confirmation email with a link to register for the placement test. Since the placement test has no time limit, the academic adjustments of extended time is not needed. If other accommodations are required for the test, please contact Daneen Huddart at 860-738-6318 or via e-mail at [dhuddart@nwcc.edu](mailto:dhuddart@nwcc.edu) to set up an individual appointment for the test.

### Step 3: Set up an appointment to meet with Daneen M. Huddart, Learning Disability Specialist

Schedule the appointment at least 4 weeks before the semester. (August 1 for Fall Semester and December 15 for Spring Semester). Bring with you the most recent disability documentation. Acceptable forms of documentation include: Psycho-educational Evaluation report and/or 504 Plan (if completed in high school) and/or medical documentation. Evaluations should be conducted by appropriate professionals such as clinical psychologists, educational therapists, special education teachers, licensed psychiatrists, neurologists, or physicians. Certified/appropriate professionals cannot be family members. Submitted documentation becomes part of a confidential file that is used in assessing the appropriateness of requested academic adjustments. School districts maintain confidential records on file for 7 years.

### Step 4: Review Placement Test Results & Documentation

Make an appointment with Daneen M. Huddart to discuss the placement test results, documentation, eligibility for services, and educational/career goals. The student may choose to register for classes, pay the tuition, and identify accommodations at this time. Or, the student can make a separate appointment to identify academic adjustments.

## STUDENT RESPONSIBILITIES

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After the Academic Adjustments Form is completed, the student has the responsibility to:

1. Submit the Academic Adjustment Form to each instructor and communicate with your instructor. If the form is submitted later in the semester, the academic adjustments begin the date the instructor receives the form.
2. Follow through with identified academic adjustments.
  - a. Students receiving extended time for tests need to follow the Testing Adjustment Procedures explained on the back of the Academic Adjustment Form.
  - b. Students who qualify for note-taking services need to complete the Note-Taking Request Form before registering for classes.
3. Students with disabilities are subject to the same codes of conduct and disciplinary processes as other students. The Student Handbook explains students' rights and the grievance policy.
4. Make sure and meet with Disability/Accessibility Services each semester in order to go over your academic adjustment for your new classes.
5. If you have concerns about the services provided, you may contact the Learning Disability Specialist, Daneen M. Huddart via email at [dhuddart@nwcc.edu](mailto:dhuddart@nwcc.edu) or by phone at 860-738-6318.

***With Support Services...Disabilities Can Become Abilities!***

## TRANSFER

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### Four-Year Colleges and Universities

NCCC students transfer to a variety of public and private institutions, in and out of Connecticut.

Transfer can be confusing; every college has a different transfer admission application process and transfer credit policy. [However, you can get there from here!](#)

To help students begin the process of choosing their next college, the NCCC Center for Student Development has created a transfer-out webpage. Our webpage provides application information, transfer credit procedures, and general education requirements for more than seventy-five Connecticut, New England, and National colleges and universities.

Each fall and spring semester, dozens of four-year college and universities visit campus to recruit NCCC students. Students can find up-to-date information about which colleges are visiting, and when, by going to the Transfer section of our webpage or by stopping by the Center for Student Development. The Transfer Counselor also emails

weekly transfer representative visit updates, and notices of special transfer-related events to students' college email addresses.

## TRANSFER ADMISSIONS AGREEMENTS

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Transferring to a Connecticut public college or university is simple and predictable, thanks to transfer articulation agreements. NCCC has different articulation agreements with the Connecticut State University System (CSUS); and with the University of Connecticut.

### University of Connecticut

#### Guaranteed Admission Program (GAP)

GAP is an agreement between the Connecticut Community College System and the University of Connecticut which requires NCCC students to complete their associate's degree at NCCC, and then transfer to UCONN to earn a bachelor's degree. **Students must apply for GAP before they have earned 30 transferrable credits**, so interested students should contact their Faculty or Transfer advisor before the end of their first semester at NCCC. Former University of Connecticut degree-seeking students are not eligible to participate in the GAP.

**GAP guarantees admission to the University of Connecticut's, Storrs, Waterbury, Hartford or Stamford campus.** Students may pursue one of more than 70 majors offered by the College of Liberal Arts & Sciences, the College of Agriculture, Health and Natural Resources, and the School of Business.

GPA eligibility requirements differ among the Colleges. Guaranteed admission to the College of Liberal Arts and Sciences requires a minimum cumulative grade point average of **3.0**. The College of Agriculture, Health and Natural Resources requires a minimum cumulative grade point average of **3.0**.

UCONN recommends that applicants planning to earn a Bachelor of Science degree should complete required science and math sequences in their freshman and sophomore years while enrolled at the community college. (e.g., **BIO\* 121 & 122; MAT\* 254 & 256; CHE\* 121 & 122; ENG\* 101 & 102**)

The School of Business requires a minimum cumulative grade point average of **3.3**. The grade point average will be calculated for all courses taken, including all grades for any repeated courses. Additionally, applicants must complete all School of Business prerequisites with a minimum grade of **B**. All applicants must also meet the University of Connecticut's second language requirement.

GAP Students may receive dual advisement, both from the University and NCCC. Northwestern students who meet all of the requirements are guaranteed admission to UCONN with junior status, as well as guaranteed housing (where available). Also, a GAP scholarship is available. For more information about GAP, please stop by the Center for Student Development, or visit <http://admissions.uconn.edu/apply/transfer/gap>.

## University of Connecticut

### Non-GAP Transfer

NCCC students need not participate in GAP to transfer to UCONN. The University of Connecticut extends priority admission to qualified State residents transferring from the Community Colleges. **Priority in admission to the Storrs Campus is given to students who have completed two years of college prior to enrolling at the University.**

**Transfer applicants must have completed a minimum of twelve credits.** An applicant's cumulative grade point average, quality of courses taken, and the intended program of study at the University, are given most weight to determine an applicant's admissibility.

Students with fewer than two years are evaluated on a combination of high school and college work, and college performance to date. Admission to unrestricted programs requires a minimum **2.7** cumulative grade point average (on a **4.0** scale). Applicants must keep in mind that 2.7 is a minimum GPA required to apply to UCONN. The Storrs campus generally requires a GPA significantly higher than the 2.7 minimum!

Students with relatively low GPAs may be offered admission only to one of the UCONN branch campuses. Business, Engineering, Nursing, Pharmacy, Allied Health, and Education and other restricted programs require higher cumulative grade point requirements and specific prerequisites.

UCONN admits only a limited number of transfer students to these restricted majors. Prospective transfer students must fulfill all graduation requirements of their major at the University. Students can obtain more information by visiting: <http://www.admissions.uconn.edu>.

### Charter Oak State College

Charter Oak State College (COSC) was established in 1973 by the Connecticut Legislature to address the unique academic needs of working adult students. COSC awards academic credit for independent or experiential learning, providing a flexible path to a bachelor's degree. NCCC students may transfer up to 90 NCCC credits toward the 120 credit COSC bachelor's degree.

NCCC A.S. graduates (or currently enrolled students who have completed 56-75 credits) may earn the remaining 30

credits through a variety of credit earning options unavailable at most four-year colleges and universities.

The remaining 30 credits can be earned by taking Charter Oak's online courses; enrolling in courses from any regionally-accredited four-year college or university; completing approved college level examinations; submitting to a portfolio assessment; and through contract learning. Additionally, Charter Oak has developed three upper-level online courses specifically for students interested in educational technology.

Students desiring to transfer to Charter Oak should consult with the Charter Oak State College Admissions Office. For more COSC information, please e-mail [info@charteroak.edu](mailto:info@charteroak.edu). Information is also available at <https://www.charteroak.edu>.

### Undergraduate Programs Open to Connecticut Residents under the New England Regional Student Program (RSP)

Connecticut residents presently enrolled at Northwestern may be eligible for transfer to out-of-state New England public colleges and universities through the RSP. **RSP applicants must pursue a major which is not offered by any home-state public institution.**

The RSP offers eligible students a significant discount on an institution's out-of-state tuition rate. A student's eligibility for the program is based on their program major, not financial need. RSP requires no separate application; the applicant simply identifies his/her RSP status on the institutions' application form. Students can obtain more information on RSP by either contacting the NCCC transfer counselor, or visit: <http://www.nebhe.org>

### Transfer Ticket Program

The Transfer Ticket Program is a program for ensuring Connecticut community college students complete degree programs that transfer to Connecticut State Universities and Charter Oak State College without either losing or generating excess credit. Students will complete the first 60-63 credits at a community college and the final 60-63 credits at a CSU.

Successful completion of the Transfer Ticket will guarantee full junior status at the receiving State University or Charter Oak State College. Admission to particular degree programs may have additional GPA or other requirements. These requirements will be clearly spelled out in each major to major articulation.

Transfer Ticket students applying for Fall admissions to a CSU must complete their FASFA, submit their CSU application with a copy of their unofficial Degree Works Transcript, and official CCC transcripts by early January, meet with CSU advisors in March, and register for CSU



fall classes in March/April. Students must pay enrollment confirmation fees and, if residing on campus, dorm fees, before registering for CSU courses.

Programs are available in:

- Art
- Biology
- Business
- Chemistry
- Communication
- Criminology
- Early Childhood Teacher Credential
- English
- History
- Mathematics
- Physics
- Political Science
- Psychology
- Social Work
- Sociology
- Spanish

Please see your advisor for specific degree requirements. For more information on Transfer Tickets go to <http://www.ct.edu/transfer>

## NEW STUDENT ORIENTATION

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New students attend an orientation program before classes begin. Orientation provides a smooth transition into college by allowing students an opportunity to become familiar with the NCCC college community. Students will meet faculty and staff and tour the campus facilities. The program provides an introduction to academic policies and responsibilities at Northwestern, as well as services and opportunities that are available to support student success.

## STUDENT ACTIVITIES

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Students at Northwestern have a wide range of co-curricular programs and activities available to them. The Student Senate sponsors a social, cultural and recreational calendar of events, as well as community service opportunities. Some of these programs have included concerts, dances, performances, fitness and sporting events, lectures, trips, awareness programs, and volunteer services. Events and activities are posted on the College homepage under the Campus Voice Newsletter and the Campus Calendar.

In addition to the programs coordinated by the Student Senate, several campus clubs offer a variety of experiences to students. These clubs include: the Northwestern Deaf Club, Early Childhood Education Association, Health Professionals Club, Criminal Justice Association, Connecticut Association of Veterinary Technicians, Phi Theta Kappa/Alpha Nu Epsilon (Honor Society), History

Association, Spanish Club, Outdoor Adventure Club, The Outlet (Christian Association), the NCCC Student Nursing Association, the LGBT Club, Dungeons & Dragons, Writers Club, Veterans Club, METS Club (Math, Engineering, Technology & Science), American Association of University Women (AAUW), Hula Hoop Club, and Heart of Autism Club.

The relationships among students, faculty and administrators are informal and friendly. Members of the faculty, and the professional staff serve as the advisors for campus clubs and organizations. Students may initiate social activities and participate in the formation of various organizations by contacting the Student Activities Office.

## STUDENT GOVERNMENT

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The Northwestern Connecticut Community College Student Senate functions under its own constitution. All students are members of the Student Association. An elected Student Senate enables students to assume responsibility for the conduct of their own activities.

To be elected to the Student Senate, a student must be in good academic standing and currently enrolled. Information concerning election to the Senate and copies of its constitution are available on the College website and in the Student Activities Office.

To the extent and limitation of its authority, the Student Senate may form recommendations concerning student general welfare, student conduct, student elections, social gatherings, special events, student activity fees, appropriations and expenditures of student funds, rules and by-laws of the Student Senate, and standing committees of the student government.

The Student Senate, which is representative of all students, works to maintain high morale within the student body and a close spirit of cooperation among the students, faculty, staff, and administration. It is responsible for planning a diverse social program. The Senate oversees the appointment of student representatives to many of the standing and ad hoc committees of the College's professional staff.

All students are encouraged to participate in the work of the Senate, its committees, and the committees of the professional staff.

## STUDENT INSURANCE

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All registered students are automatically enrolled in the Student Accident Insurance while on campus at no cost to the student.

Contact the Office of the Dean of Academic & Student Affairs in FH 103, or call 860-738-6320, for more information.

## LIBRARY/LEARNING RESOURCE CENTER

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[nw-librequests@nwcc.edu](mailto:nw-librequests@nwcc.edu)

The Library, located in the Learning Resource Center adjacent to Founders Hall, is home to approximately 35,000 print books and dozens of periodical titles. Additionally, the Library provides access to approximately 143,000 ebooks and thousands of online journal and magazine articles. The Library also houses extensive collections of compact discs, videos, DVDs, and audio books, and serves as a regional depository for Connecticut State Government Documents. It participates in both regional and national automated networks that provide circulation, interlibrary loan, cataloging services and the online public access catalog. Full access is given to the shelves, and every effort is made to make the Library a pleasant place in which to study and do research. Additionally, students gain off-campus access to the Library's catalog, ebooks, and electronic databases through myCommnet and the Library's online research guides. The Library email address may be used to renew books and ask for reference assistance.

In addition to our library research materials, the Library provides students access to the technology necessary for serious research. Thirty-two computers, scanners and a printer are available for student use. Four C-Pods allow small groups of students to research and to prepare projects and presentations; the C-Pods include a fully-loaded computer with a 42-inch plasma television as monitor and multiple keyboards. The Lower Rotunda area of the Library features C-Pods in large group study areas, called Think Tanks, that have a combined seating capacity of more than 20. Wi-Fi is available throughout the Library to NCCC students. Finally, the Library Lab with twenty-six computers provides students access to a quiet research space, and also supports classes as a private instruction classroom.

The Library's online catalog, Northwestern Search, effectively integrates all the NCCC library's resources—print books held on-site as well as article, ebook and streaming video databases—and allows for a more convenient and expanded search. Northwestern Search can also be used to locate and request items from across the Connecticut state college and university (CSCU) system. (The

17 CSCU libraries hold a total of more than one million records (books, DVDs, CDs) in their physical collections).

Library staff will be happy to request from other libraries books and periodical articles not available through Northwestern Search. Requests are limited to six per project, and materials usually arrive within two weeks. Plan ahead in order to have ample time to receive and use interlibrary loan materials.

During your first visit to the Library, you may obtain a student ID at the Library Front Desk. Books, compact discs, and audio books may be checked out for three weeks and renewed twice if no one else has requested them. Videos and DVDs may be checked out for fourteen days, while periodicals and reference books do not circulate.

The Library is the place to search for information and get assistance doing academic research. If you visit the Library and cannot find what you are looking for, ask a librarian!

During the academic year the Library hours are:

Monday - Wednesday	8:30 a.m. - 8:00 p.m.
Thursday - Friday	8:30 a.m. - 4:30 p.m.

During winter, spring, and summer breaks and when classes are not in session:

Monday - Friday	8:30 a.m. - 4:30 p.m.
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## COLLEGIATE EDUCATION FOR DEAF AND HARD OF HEARING PROGRAM

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Northwestern Connecticut Community College offers support services and courses for students who are deaf or hard of hearing through the Collegiate Education for Deaf & Hard of Hearing Program (CEDHH). This program assures that deaf and hard of hearing students have full access to the College's offerings by providing a broad range of academic and co-curricular support services including but not limited to:

- On-staff interpreter coordinator who schedules part time interpreters to match individual communication preferences.
- Note-takers for academic courses
- Live classroom captioning (C-Print; upon availability)
- Discipline-based professional and peer tutors
- Specialized instruction for deaf and hard of hearing students in English and mathematics
- Information about hearing loss, communication skills and assistive equipment to maximize information access
- Career and academic counseling and advisement

- Sponsorship of social/cultural activities (Northwest Deaf Club)

A program of remedial and developmental courses in English and mathematics may be designed to address a deaf or hard of hearing student's individual needs. At the remedial level, intensive instruction is given to ensure that student competencies will be commensurate with those required for successful completion of developmental English and mathematics courses. Such classes are taught by CEDHH instructional specialists who use direct sign language communication with deaf or oral delivery with hard of hearing students. Depending on entry competencies and individual progress, students may need several semesters to complete these courses. Institutional credits are earned by completing these courses and do not count toward a certificate or degree. At this level, additional support services such as tutoring will be provided according to availability.

Requirements for admission to Northwestern can be found in the Admissions section of this college catalog or on our webpage.

To receive support services from CEDHH, a deaf or hard of hearing applicant must submit, in addition to the above-mentioned admissions requirements, a copy of his or her audiogram and/or medical documentation indicating hearing loss.

Upon receipt of a completed application package, all prospective students are given placement tests to determine competency levels in English and mathematics. After placement testing, deaf and hard of hearing applicants are assisted by the counselor for students with disabilities, in selecting appropriate courses leading to certificates or degrees.

Admission to CEDHH's remedial and developmental courses is dependent on a number of factors, including reading and language grade equivalency, prior academic background, recommendations from former educators and/or employers, and placement test results.

The staff includes: two instructional specialists, one full-time interpreter/tutor who is also the interpreting coordinator, part-time interpreters, one part time C-Print captionist, and a staff person who coordinates the student note-takers to be hired as needed on a contract basis. All of the staff members of the CEDHH program are fluent in sign language.

For more information about support services available for deaf and hard of hearing students at Northwestern, please contact Sarah Bement [sbement@nwcc.edu](mailto:sbement@nwcc.edu) or 860-738-6382. Information about financial aid for tuition, books, supplies, and living maintenance may be obtained through

the applicant's local office of the Bureau of Rehabilitation Services or by consulting the Financial Aid Officer at Northwestern.

## DEVELOPMENTAL CLASSES

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Students who have been away from formal schooling for some time or who experienced difficulty in high school are often advised to enroll in developmental classes to strengthen their academic foundation. Such a recommendation may be determined by the results of multiple measures including placement testing. The developmental courses available are numbered from 000 to 099 and include, but are not limited to, the areas of mathematics, reading, science, writing, study skills, and individualized work in the Academic Success Center. The courses sometimes involve individualized assistance by instructors experienced in developmental education. Each course is designed to help the student to review, improve, or learn skills related to success in college-level courses. Because of the remedial nature of developmental courses, credit earned in these courses is not transferable and will not count toward fulfillment of degree credit requirements for graduation; however, enrollment in developmental courses may be counted toward full-time status for financial aid and other purposes.

## TRANSITIONAL PROGRAMS

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### Math Bootcamp

This is a six-week intensive boot camp designed to provide students with the opportunity to refresh forgotten skills, learn new ones and become more confident in mathematics. This program is for any NCCC student who has taken the Accuplacer and would like to improve. A web-based assessment and learning system, EdReady will be used. Students will meet on-campus twice per week during the assigned time and are expected to spend an additional six hours per week on homework. On the last day of class, students will be given a second chance to take the Accuplacer test.

### Writers' Workshop

This six-week workshop is your opportunity to improve your skills and attend college. This no cost, developmental course will cover English grammar, reading comprehension, writing and test preparation. Students will be expected to spend an additional six hours per week on homework. On the last day of class, students will be given a second chance to take the Accuplacer test.



## MEDIA SERVICES

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Media Services are available through the Computer Center. Media Services includes the support of educational technology usage and media equipment for faculty and staff to facilitate student success. In addition, Media Services provides equipment and support services, to the community at large, for a variety of programs, meetings, and conferences taking place on campus.

Founders Hall, Founders Hall Annex, The Art and Science Center, Green Woods Hall classrooms, and Joyner classrooms have electronic teacher stations fully equipped with computer, document camera, DVD, speakers and ceiling mounted projectors.

## MAD RIVER ANTHOLOGY

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*The Mad River Anthology* is NCCC's annual literary magazine which features literary and artistic work created by students currently studying at the college. The anthology has been published yearly since 1972. Writing featured in the anthology typically has been poetry, short expository prose pieces, short fiction, song lyrics, personal essays, and letters. The magazine's literary and artistic content is chosen by English Department editors. Black and white photography is included from NCCC's Art Department faculty and students. Pieces for consideration for the anthology may be submitted at any time, but normally submissions are solicited during the fall semester. Publication of *The Mad River Anthology* takes place in the spring semester and is sponsored by the Northwestern Community College Foundation with the added resources of the College and various College organizations. For further information, contact [jtreat@nwcc.edu](mailto:jtreat@nwcc.edu)

## MAD RIVER LITERARY FESTIVAL

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April is National Poetry Month and since April 1997 the College's English Department faculty members have organized and sponsored the *Mad River Literary Festival*. The Festival week of events features free public readings by professional poets, fiction and nonfiction writers. In addition to prominent visiting writers brought in to highlight the Festival, an Open Reading of original creative work by NCCC students and community residents is also presented. Students are encouraged to sign up and read their work at the Festival's Open Reading. Funding for the *Mad River Literary Festival* comes from the College's Cultural Planning Committee, The Student Senate, The Center for Teaching, and the English Department. For further information, contact [jtreat@nwcc.edu](mailto:jtreat@nwcc.edu)

## THE GALLERY

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The Gallery at Northwestern Connecticut Community College, is located in Founders Hall. It provides a unique showcase for professional exhibitions of contemporary art. Additionally, alumni and student shows are included in the yearly gallery schedule. Many art forms are represented including fine art, photography, video, installation, and digital media. Students have the opportunity to assist in exhibition installation, promotion, and can meet visiting artists. The Gallery provides a vital link between education and professional art practices.

## WOMEN'S RESOURCE CENTER

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The Women's Resource Center, located in Greenwoods Hall, offers information materials and programs on women's concerns and issues and is a comfortable place for meetings, workshops, exhibits and socialization. All are welcome.

## STUDENT HOUSING

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Northwestern Connecticut Community College does not operate, supervise or sponsor student housing.

## STUDENT CENTER

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A Student Center is on the first floor of Founders Hall. This space was designed to be a comfortable space for students to meet, socialize and relax between classes. Light refreshments are available. In addition to an eating area, the room features a wide-screen television. Coffee and soft drink dispensers are also located in the student lounges in the Joyner Learning Center, Greenwoods Hall and the Art and Science Building.

## COLLEGE BOOKSTORE

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The college bookstore, located in Greenwoods Hall, offers a variety of products and services. Students may purchase textbooks as well as study aids, academic software, clothing, gifts, cards, art and academic supplies. Order textbooks by phone at 860-379-6226 or fax 860-379-9866 for shipment.

## PARKING

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Three student parking areas are available; one, at the Art and Science Center, a second, at the Joyner Learning Center, the third on the south side of Greenwoods Hall. Students may park in these areas at any time during the College's hours of operation. After 5:00 p.m., students may park in the lots reserved for faculty and staff. Student vehicles found in reserved faculty and staff lots prior to 5:00 p.m. may be towed. Students may not park in spaces designated as reserved for specific individuals, or in lots designated as reserved at all times.



# CENTER FOR WORKFORCE DEVELOPMENT

## NON-CREDIT PROGRAMS

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### ONLINE TRAINING

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Our non-credit online adult education courses are informative, fun, convenient, and highly interactive. All courses run for six weeks and include lessons, quizzes, hands-on assignments, discussion areas, and supplemental links. Go to [www.ed2go.com/ctnccc](http://www.ed2go.com/ctnccc) to demo a sample lesson for free!

Over 300 courses to choose from in the following categories:

- Accounting and Finance
- Business
- College Readiness
- Computer Applications
- Design and Composition
- Health Care and Medical
- Language and Arts
- Law and Legal
- Personal Development
- Teaching and Education
- Technology
- Writing and Publishing

### WORKFORCE TRAINING

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**Individuals:** Are you unemployed, recently downsized, or just between jobs? NCCC offers a number of Workforce Investment Opportunity Act (WIOA) approved training programs that are funded through the Connecticut Department of Labor. WIOA training provides a strong foundation of practical and up-to-date information that can assist students in developing skills for their current jobs, or for new careers. Workforce training programs include:

### BUSINESS & INDUSTRY

#### 860-738-6444

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- Bookkeeping QuickBooks Certificate
- Microsoft Office
- Manufacturing Certificates
- Real Estate Principles and Practices
- Small Business Development

**Employers:** The Center for Workforce Development works closely with business and industry to provide credit and non-credit training and educational services customized to meet strategic objectives, such as:

- Math, Measurement, Blueprint Reading, GD & T
- Communication and Professional Skills
- Leadership, Supervision, Management, and Team Building
- Microsoft Office / Quickbooks
- SolidWorks 3D Modeling
- Vocational ESL – verbal and written communication

### ALLIED HEALTH

#### 860-738-6484

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Allied Health non-credit certificate and continuing education courses are offered for those interested in pursuing a career in health care or for professionals looking to update or expand their skills.

Allied Health non-credit programs include:

- Certified Nurses Aide - Nurses Aide Refresher
- Emergency Medical Technician (EMT-B)
- Patient Care Technician
- Pharmacy Technician
- Central Sterile Processing Technician
- Basic Life Support (BLS) for Health Care Providers
- ServSafe-Qualified Food Operator
- CPR/First Aid

Continuing Education Units (CEUs) available for health care professionals on varied topics of interest.



## **SNAP EMPLOYMENT & TRAINING**

### **860-738-6419**

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People receiving SNAP (Supplemental Nutrition Assistance Program) assistance, formerly known as food stamps, may receive training for the following careers at no cost.

Become a Veterinary Technician, Nurse, Office Support Professional, Emergency Medical Technician (E.M.T.), Pharmacy Technician, Certified Nurse Aide (C.N.A.), Web Developer, Preschool Teacher, Psychiatric Technician, Medical Records and Health Information Technician, Computer Network Support Specialist, Medical Assistant, Central Sterile Processing Technician, Solderer or CNC Machinist.

Contact Erin Kennedy, SNAP Scholarship Coordinator, for more information or to get started. [EKennedy@nwcc.edu](mailto:EKennedy@nwcc.edu)

## **TEAM SUCCESS SCHOLARS**

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Team Success Scholars is a mentoring and working scholarship program tailored to the individual needs of young adults between the ages of 18 and 24. Serving NCCC students' needs for over 10 years, Team Success is designed to help students achieve their post-secondary educational and careers goals, empowering them with the grit to succeed. Team Success Scholars are a strongly knit cohort of community college students, who may benefit from mentoring, academic tutoring, career guidance, tuition and textbook assistance, assistance with transportation costs, paid internships, stipends, and on-campus employment.

Eligibility is two-fold based on Federal eligibility through the Workforce Innovation and Opportunity Act, as well as a review of high school transcripts. An interview with NCCC and the Northwest Regional Workforce Investment Board personnel is required before acceptance into the program. If you, or someone you know, is interested in becoming a Team Success Scholar at NCCC, please contact Susan Dichter, Program Director at 860-738-6335.

## **ACADEMIC SUCCESS CENTER**

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Located on the third floor of Founders Hall, the Academic Success Center provides tutoring and other forms of academic support to NCCC students. These services are free and are provided by well trained professional and peer tutors who excel in their respective field of study. In addition to tutoring, the Center offers embedded tutoring in the classroom and workshops that address specific topics that include, but are not limited to study skills, testing strategies, time management, note taking. CLEP (College-level Examination Program) testing is also available.

The Center is also in the business of helping students to assess their academic strengths and challenges through mentoring as well as on-line tutorials in various academic disciplines. We help students to recognize their personal learning style so that they may achieve success in the classroom. Services are extended to all students including those who wish to move from acceptable to exceptional grades or those who need help with an upcoming exam or paper. All students are welcome regardless of academic ability.

## NONDISCRIMINATION POLICY

Northwestern Connecticut Community College will not discriminate against any individual on the basis of race, color, religious creed, age, sex, including pregnancy, sexual harassment and sexual assault, marital status, national origin or ancestry, sexual orientation, transgender status, gender identity or expression, genetic information, workplace hazards to reproductive systems, present or past history of mental disability, intellectual disability, learning disability or physical disability, veteran status, or prior criminal record unless the provisions of sections 46a-60(b) or 46a-81(b) of the Connecticut General Statutes are controlling, or there is a bona fide occupational qualification excluding persons in one of the above protected groups.

Any person having inquiries concerning Northwestern Connecticut Community College's compliance with the regulations implementing Title VI, Title IX or Section 504 is directed to contact Ruth Gonzalez, Director of Student Development, Greenwoods Hall, (860) 738-6315, [RGonzalez@nwcc.edu](mailto:RGonzalez@nwcc.edu), who has been designated by the College to coordinate the institution's efforts to comply with the regulations implementing Title VI, Title IX and Section 504. Any person having inquiries concerning NCCC's compliance with the regulations may also contact the U.S. Department of Education, Office for Civil Rights, Boston Office, 8th Floor, 5 Post Office Square, Boston, MA 02109-3921, 617-289-0111, Email: [OCR.Boston@ed.gov](mailto:OCR.Boston@ed.gov)

## POLICY AGAINST SEXUAL HARASSMENT

What is Sexual Harassment?

Sexual harassment is a form of sex discrimination which is illegal under state and federal law and is also prohibited by the Board of Regents' Nondiscrimination Policy. The Board's policy recognizes that sexual harassment undermines the integrity of employer-employee and student-faculty-staff relationships and interferes with the right of all members of the College community to work and learn in an environment free from harassment. Such conduct will not be tolerated.

### **Sexual harassment may be described as:**

Any unwelcome sexual advance or request for sexual favors, or any conduct of a sexual nature when (1) submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or education, (2) submission to or rejection of such conduct by an individual is used as a basis for employment or academic decisions affecting the individual, or (3) such conduct has the purpose or effect of substantially interfering with an

individual's academic or work performance or creating an intimidating, hostile or offensive employment or educational environment.

Sexual harassment may be verbal, visual or physical. It may be overt or implicit and may, but need not, have tangible adverse effects on the victim's employment or learning experience.

Examples of conduct which may constitute sexual harassment include but are not limited to:

- sexual flirtation, touching, advances or propositions
- verbal abuse of a sexual nature
- pressure to engage in sexual activity
- graphic or suggestive comments about an individual's dress or appearance
- use of sexually degrading words to describe an individual
- display of sexually suggestive objects, pictures or photographs
- sexual jokes
- stereotypic comments based upon gender
- threats, demands or suggestions that retention of one's employment or educational status is contingent upon toleration of or acquiescence in sexual advances.

The perpetrator of sexual harassment, like the victim of such conduct, may be a man or a woman. Sexual harassment may involve individuals of the same or opposite sex and, in the College environment, may involve an employee and a student, an employee and another employee or a student and another student. Harassment in any of these relationships is a violation of the Board's policy.

Because of the power relationship between faculty and student, and between supervisor and subordinate employee, freedom of choice may be compromised in such relationships. Accordingly, this policy holds that where a faculty member or professional staff member has responsibility for a student through teaching, advising, supervision or other obligation, romantic or sexual liaisons between such persons shall be deemed a violation of this policy. Romantic or sexual liaisons between supervisors and subordinate employees, while not prohibited, are strongly discouraged. It should be noted, additionally, that retaliation against a person for complaining or being associated in any way with the resolution of a complaint of sexual harassment also violates Board policy.

## What To Do If You Are The Victim of Sexual Harassment

When an employee or student feels that he or she has been the victim of sexual harassment, he or she should report such incident(s) to a College official.

Employees may report incidents of sexual harassment to the Dean of the area of the College in which the individual is involved, or to the College Affirmative Action Officer, Erin Ransford, English Building (46 Park Place East), 860-738-6325.

Students may report incidents of sexual harassment to the Dean of Academic & Student Affairs, FH 103, 860-738-6319, or to such other College official as the President may have designated. Nothing shall prevent students from speaking to a college counselor about their concerns. However, such communication is not a substitute for filing a complaint of sexual harassment with an appropriate College designee.

A claim that an employee of a third party contractor has engaged in sexual harassment on College premises or in connection with the performance of the third party contract should be reported immediately either to the President or to another appropriate College official as set forth in this document. The President will ensure that appropriate follow-up action is taken.

Depending on the nature of the complaint and the desires of the complainant, the College official to whom the complaint has been made may attempt to resolve the complaint informally. Any informal resolution of a complaint must be approved by the College President. No person shall be forced to pursue informal avenues of resolution before filing a formal complaint of sexual harassment.

If informal resolution is not possible or appropriate, a written complaint should be filed in accordance with the existing Affirmative Action Grievance Procedure for Employees or Student Grievance Procedure for students.

For employees, a written complaint should be filed within fifteen (15) calendar days of the alleged harassment. This time frame may be extended by up to fifteen (15) additional calendar days if efforts at informal resolution have been made.

For students, a written complaint should be filed within thirty (30) days of the date the grievant knew or should have known of the alleged harassment. However, a delay in filing a formal complaint will not be a reason for refusing to investigate such complaints. Although the ability to investigate may be compromised by delay, a written complaint will be treated in the manner prescribed by this policy if filed within 180 days of the date the student knew or should have known of the alleged harassment.

When a formal complaint of sexual harassment is received, the College will investigate it. The rights of all persons involved in the investigation shall be respected and every effort will be made to protect the confidentiality of both the alleged victim and the alleged harasser. Toward this end, only persons with a need to know shall be made privy to the complaint. However, complete anonymity cannot be assured, given the College's obligation under law to investigate and take appropriate action in all cases of sexual harassment.

All complaints of sexual harassment shall be taken seriously. It is expected that complaints will be made in good faith, however. Frivolous or vexatious complaints can cause irremediable damage to the reputation of an accused person, even though he or she is subsequently vindicated. Therefore, any person who files a false complaint of sexual harassment shall himself or herself be subject to disciplinary action, up to and including termination, if an employee, or expulsion, if a student.

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## ANIMALS ON CAMPUS POLICY

The Board of Regents for Higher Education ("BOR") has established this policy regarding Service Animals and Emotional Support Animals to facilitate full-participation and equal access in the programs and activities of Connecticut State Colleges and Universities ("CSCU"). This policy applies to students, employees, visitors and members of the public attending, working at or visiting CSCU campuses, and sets forth specific requirements and procedures concerning the appropriate use of and protocols associated with Service Animals and Emotional Support Animals. If you are requesting to have a Service Animal or Emotional Support Animal on campus, please contact the Office of Disability Services. For more information, visit the CSCU Animals on Campus Policy or contact Daneen Hurdart in the Office of Disability Services, 860-738-6318.

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## POLICY ON CONSENSUAL RELATIONSHIPS

The Board of Regents for Higher Education (BOR) of the Connecticut State Colleges and Universities respects that the educational mission of its institutions is founded on an atmosphere of mutual trust and respect between all members of the academic community. Faculty members, as well as those individuals upon whom the institution confers managerial, supervisory, or evaluative responsibilities, (including graduate assistants or undergraduate teaching assistants) carry a special responsibility to adhere to the highest ethical and professional standards and to avoid any actions that may appear to undermine this atmosphere of trust and respect and thereby hinder the institution's educational mission.



Because of the inherent imbalance of power and need for trust, faculty members, supervisory staff, and those with evaluative authority should be aware that dating or sexual relationships that might be appropriate in other circumstances have inherent dangers when they occur between a staff member and a student as well as when they occur between a supervisor and employee.

Such relationships can create real conflicts, are susceptible to an appearance of exploitation, and can impair the trust and integrity of the teaching, coaching, or other supervisory or evaluative relationship and may cause a perception of favoritism or bias on the part of the staff. In addition, although these relationships may begin and remain consensual, they may easily be later characterized as non-consensual and could potentially lead to sexual harassment charges.

### Policy Prohibited

**Between employee and student:** Consensual romantic, dating, or sexual relationships between any employee and any student over whom that employee exercises direct or otherwise significant academic, supervisory, or evaluative authority or influence are prohibited at all State Universities and Colleges. The evaluative relationship can take a variety of forms, such as teacher to student, advisor to advisee, coach to athlete, supervisor to student employee, or similar relationship.

### Strongly Discouraged

**Between employee and student:** Romantic, dating or sexual relationships between employees and students over whom said employee does not have supervisory or evaluative authority are strongly discouraged. Such relationships are not only susceptible to future conflicts of interest, but also may present the appearance of impropriety.

If this situation exists, no employee should agree to supervise or evaluate a student with whom he or she has, or formerly had, a consensual relationship. A faculty member should inform the Dean if such a student wishes to enroll in a credit bearing course that he or she is teaching so that alternate arrangements can be made. Nor should a faculty member direct the student's independent study, internship, or thesis; participate in decisions regarding grades; or write letters of recommendation or reference.

**Between employee and employee:** BOR discourages employees with supervisory or evaluative authority from engaging in romantic, dating or sexual relationships with employees who they supervise or evaluate. If such a relationship exists or develops, the supervisory employee must notify his/her manager so that arrangements can be made for the unbiased supervision and evaluation of the employee. These situations are handled on a case-by-

case basis and may require transfer or reassignment of one or more employees.

### In the event of a Sexual Harassment Charge

Anyone who enters into a romantic, dating or sexual relationship where a professional power differential exists must realize that if a charge of sexual harassment is subsequently filed, it may be difficult to defend the charge by claiming that there was mutual consent. Employees could be held personally liable in a criminal or civil lawsuit.

### Sanctions

All violations of this policy should be reported to Human Resources for investigation and appropriate administrative action, up to and including disciplinary action.

## POLICY ON RACISM AND ACTS OF INTOLERANCE

The Community Colleges have long been committed to providing educational opportunities to all who seek and can benefit from them, as evidenced in the mission statements and policies concerning student rights, affirmative action, and equal opportunity. The Board of Regents and the Colleges recognize that an important part of providing opportunity is creating a welcoming environment in which all people are able to work and study together, regardless of their differences. At the same time, colleges and universities have traditionally been at the cutting edge of protection of our most cherished freedoms, most notably freedom of speech and nonviolent action, which protect even unpopular or diverse ideas and perspectives.

Such constitutionally protected expression can contribute to an unwelcoming and even offensive social and educational environment for some individuals in the college community, particularly when it concerns race, religious creed, sex, sexual orientation, disability, national origin, or ethnicity. The First Amendment does not preclude colleges from taking affirmative steps to sensitize the College Community to the effects of creating such a negative environment. Therefore, the Community Colleges recognize that they have an obligation not only to punish proscribed actions, but also to provide programs which promote pluralism and diversity and encourage the College Community to respect and appreciate the value and dignity of every person and his or her right to an atmosphere not only free of harassment, hostility, and violence but supportive of individual academic, personal, social, and professional growth.

Acts of racism or harassment directed against individuals or specific groups of individuals will not be tolerated and will be dealt with under the employee affirmative action grievance procedures and the student grievance and disciplinary procedures.

Each college will provide a comprehensive educational program designed to foster understanding of differences and the value of cultural diversity. This will include plans to (1) promote pluralism, (2) educate the College Community about appropriate and inappropriate behaviors to increase sensitivity and encourage acceptance, and (3) widely disseminate this policy statement to the entire College community.

## **POLICY FOR USE OF COMPUTER CENTER RESOURCES**

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All resources and facilities of the Board of Regents System Data Center, including NCCC's Computer Center and campus computer sites, are to be used solely for legitimate and authorized academic and administrative purposes. Any unauthorized or illegitimate use of the computer systems, resources, and/or facilities will be subject to appropriate disciplinary action, including, but not limited to, the loss of computing privileges, disciplinary action, and/or legal action. Users may be subject to criminal prosecution in accordance with section 53a-250, et seq., of the Connecticut General Statutes.

If administrative accounts are distributed to the staff, it is the user's responsibility to secure his or her account from unauthorized access through the use of passwords and file protection measures. All accounts, including programs and data, may be monitored to ensure proper and efficient system usage, to identify possible software problems, or to check for security violations.

Users are not to attempt to access or make use of any other user's programs or data. Users shall not copy system files, NCCC's Computer Center software components, or computer management programs, nor are users to attempt to access such programs except for the purposes for which they are intended. In addition, users are not to attempt to modify or repair any equipment belonging to or under the control of the NCCC's Computer Center.

Unless noted, all software programs are copyrighted or proprietary in nature and have been purchased or leased by the Connecticut Board of Regents. No employee or student shall copy or modify this software or utilize this software on computer systems other than those designated in the license agreement. Violation of software agreements may result in disciplinary or legal action.

Public domain software or software purchased under site license agreements from which multiple copies can be made shall be identified by NCCC's Computer Center as appropriate.

No person shall use the Connecticut Board of Regents computer resources for monetary gain, development

of software intended for sale, or to copy public domain software for other than personal use. Any copies of public domain software must contain the same limitation notices as the originals.

## **USE OF COMPUTER RESOURCES AT NORTHWESTERN**

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Computer facilities at Northwestern are for students who are currently enrolled with an active status. To provide access to campus computers, students are issued a NetID upon registering for a class for the first time. This NetID will be valid for each and every semester the student returns to Northwestern or to any Connecticut Community College. All computer resources and campus facilities housing the computer resources are to be used for legitimate and authorized NCCC academic and administrative purposes. Resources include but are not limited to: host computer systems, personal computers and workstations, communication networks (including Wi-Fi), software, and data files.

NCCC reserves the right to monitor usage of computer resources to protect the integrity of the systems, workstations and lab facilities. Computer accounts issued to students are intended for the sole use of those individuals. The account holder is responsible for all usage on the assigned account. Any user of the college computer facilities violating these regulations is subject to disciplinary action, including, but not limited to, the loss of computer privileges and legal action.

The Board of Regents' Information Technology Resource Policy is published and available in the NCCC's Computer Center.

## **POLICY ON DRUGS AND ALCOHOL**

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### **Drugs and Alcohol in the Community Colleges**

The Board of Regents for Higher Education endorses the Statement of the Network of Colleges and Universities committed to the Elimination of Drug and Alcohol Abuse, which is based on the following premise:

American society is harmed in many ways by the abuse of alcohol and other drugs - decreased productivity, serious health problems, breakdown of the family structure, and strained social resources. Problems of illicit use and abuse of substances have a pervasive effect upon many segments of society - all socioeconomic groups, all age levels,

and even the unborn. Education and learning are especially impaired by alcohol abuse and illicit drug use.

The Board recognizes that education regarding alcohol and substance abuse is an appropriate and even necessary part of contemporary college life. Since the unauthorized use of controlled substances, in addition to the potential harmful effect it may have on students and employees, is contrary to state and federal law and regulation, it must be prohibited in any college activity, on or off the college campus. Although the conditions of alcohol and drug dependency may be considered disabilities or handicaps under state and federal law and regulation and Board of Regents policy, and employees and students will not be discriminated against because they have these disabilities, all students and employees are considered to be responsible for their actions and their conduct.

These provisions shall apply to all colleges under the jurisdiction of the Board:

1. No student or employee shall knowingly possess, use, distribute, transmit, sell, or be under the influence of any controlled substance on the college campus or off the college campus at a college sponsored activity or event. Use or possession of a drug authorized by a medical prescription from a registered physician shall not be a violation of this provision.
2. All colleges shall develop and enforce policies regarding the sale, distribution, possession, or consumption of alcoholic beverages on campus, subject to state and federal law. Consistent with previous Board policy, the consumption of alcoholic beverages on campus may be authorized by the President subject to the following conditions, as appropriate:
  - a. when a temporary permit for the sale of alcoholic beverages has been obtained and dram shop act insurance has been purchased;
  - b. when a college permit has been obtained;
  - c. when students bring their own beverages;
  - d. when alcoholic beverages are provided by a student organization and no fee is charged for attendance or for said beverages.
3. All colleges shall provide educational programs on the abuse of alcohol and other drugs and referral for assistance for students and employees who seek it. Colleges are encouraged to establish campus-wide committees to assist in development of these programs in response to particular campus needs and identification of referral resources in their respective service planning regions.
4. This policy shall be published in all college catalogs, faculty and staff manuals, and other appropriate literature.

5. Failure to comply with this policy will result in invocation of the appropriate disciplinary procedure and may result in separation from the college and referral to the appropriate authorities for prosecution.

## PREFERRED NAME POLICY

Northwestern Connecticut Community College students can use a preferred or used name on all documents and records other than official documents, such as diplomas and transcripts. Documents and records that may display a preferred or used name include, among others, course rosters, identification cards, email addresses, and honors, awards and prizes issued by the institution. Students will be able to add a preferred first name to their student information profile by submitting a Preferred First Name Request form to update their information (see below) This form can be found on the Forms page of the college's website. When submitted, this preferred first name will replace your legal name as it appears in Blackboard only. Use of a preferred first name on the Northwestern Connecticut Community College photo ID is optional.

## POLICY ON STUDENT RIGHTS

### Section 1: Rights of Students

It is Board policy that the educational offerings of the community colleges be available to students without regard to the individual's race, color, religious creed, age, sex, including pregnancy, sexual harassment and sexual assault, marital status, national origin or ancestry, sexual orientation, transgender status, gender identity or expression, genetic information, workplace hazards to reproductive systems, present or past history of mental disability, intellectual disability, learning disability or physical disability, veteran status, or prior criminal record unless the provisions of sections 46a-60(b) or 46a-81(b) of the Connecticut General Statutes are controlling, or there is a bona fide educational qualification excluding persons in one of the above protected groups.

Students are entitled to an atmosphere conducive to learning and to impartial treatment in all aspects of the teacher-student relationship. The student should not be forced by the authority inherent in the instructional role to make particular personal choices as to political action or his or her own part in society. Evaluation of students and the award of credit must be based on academic performance professionally judged and not on matters irrelevant to that performance, whether personality, race, religious creed, degree of political activism, or personal beliefs. Students are free to take reasoned exception to the data or views offered in any course of study, but they are responsible for learning the content of the course of study as defined by official college publications.



Community college students are both citizens and members of the academic community. As citizens they enjoy the same freedom of speech, peaceful assembly, and right of petition that other citizens enjoy, and as members of the academic community they are subject to the obligations which accrue to them by virtue of this membership.

## **Section 2: Student Grievance Procedure**

1. *Definition:* A grievance is an allegation by a student that, as to him or her, an agent of the college has violated board or college policies relating to students other than assignment of grades or other academic evaluation (see Section 3: Review of Academic Standing).

2. *How to file a grievance:* A grievance is to be submitted in writing to the Dean of Academic & Student Affairs or such other college official as the President may designate (hereinafter, the Dean of Academic & Student Affairs), within thirty days of the date the grievant knew or reasonably should have known of the alleged violation. The written grievance shall specify the right claimed to have been violated and state briefly the underlying facts.

3. *Procedure for grievance resolution:* The Dean of Academic & Student Affairs shall investigate the grievance and, within thirty days from the time the grievance was submitted recommend to the President a disposition of the grievance, except as provided hereinafter:

- a. In the course of each investigation, the Dean of Academic & Student Affairs shall consult with the dean responsible for the area of college operations in which the grievance arose.
- b. In the case of a grievance alleging discrimination based on race, color, religious creed, sex, age, national origin, ancestry, present or past history of mental disorder, marital status, mental retardation or physical disability, prior conviction of a crime, political beliefs, veteran status, or sexual preference, the Dean of Academic & Student Affairs shall consult with the college's affirmative action person during the course of the investigation.
- c. In the case of a grievance against a dean, the grievance shall be filed with the President.

The President may accept or reject the recommendation, or direct such further investigation as he or she deems appropriate. The President shall notify the student of the final disposition of the grievance within fifteen days of receiving the recommendation, except for good cause or as provided in 4, below.

4. *Advisory Committee:* The President may establish an advisory committee of students and staff which may be charged with the responsibility of making recommenda-

tions at either the level of the deans or the President. The President may appoint and remove members of the committee. If an advisory committee is appointed, the President shall establish a reasonable time frame within which the committee must make recommendations.

## **Section 3: NCCC-Specific Process for Academic Appeals:**

A student may seek review of the assignment of a grade or other decision affecting academic status in accordance with the following procedure:

The Academic Appeal process provides a way for students to appeal academic disputes with an instructor. The steps of the appeal process must be followed in order and in a timely manner. The details concerning the timeline and process are described below.

### **Timing of Appeals**

Academic Appeals by a student must be initiated no later than fifteen calendar days after the posting of the student's final grade. The student can obtain the Appeal Packet from the office of the Dean of Academic and Student Affairs. Each successive step in the appeals process must be initiated within four calendar weeks of completion of the prior step.

### **Confidentiality**

Under the Family Educational Rights & Privacy Act of 1974, as amended, a student's education record may not be disclosed without the written permission of the student. The materials from this process will not be disclosed and will remain in the possession of the office of the Dean of Academic and Student Affairs.

***At any time, a student may seek the assistance of others in preparing a request for review of academic standing. However, consistent with the student's responsibility and the developmental mission of the College, in all meetings and communications with faculty and others pursuant to this Policy, a student may neither be accompanied by an advisor, advocate or attorney nor will the College communicate with an advisor, advocate or attorney for the student.***

### **Process**

These steps are to be followed when making an academic appeal. A copy of the signed Appeal Form will be sent to the student automatically after each decision.

**Step 1:** In the event of course-related appeals or disputes, the student must first obtain an Appeal Packet from the Dean of Academic and Student Affairs.

The student must make an appointment to meet with the instructor. At the meeting, the student presents to that

instructor all the facts which the student believes would directly relate to the issue(s).

**Step 2:** In the event that the student's appeal has been denied by the instructor and the student has additional information to provide, he or she may appeal to the Division Director within four calendar weeks. If there is no additional information, the appeal has no basis and will be denied.

**Step 3:** In the event that the student's appeal has been denied by the Division Director and the student has additional information to provide, he or she may appeal to the Academic Policy Committee within four calendar weeks. If there is no additional information, the appeal has no basis and will be denied.

**Step 4:** In the event that the student's appeal has been denied by the Academic Policy Committee and the student has additional information to provide, he or she may appeal to the Dean of Academic and Student Affairs. If there is no additional information, the appeal has no basis and will be denied.

**Step 5:** The foregoing decision may be appealed to the President by filing a statement of appeal within ten calendar days of the date of the decision. The student must submit all Appeal Forms to the college President for review. Review by the President shall be on the basis of the written record unless he or she decides that fairness requires broader review. The decision of the President shall be final.

## STUDENT CODE OF CONDUCT

### I. STUDENT CODE OF CONDUCT

#### Preamble

Academic institutions exist for the transmission of knowledge, the pursuit of truth, the development of students, and the general well-being of society. In line with this purpose, the Board of Regents for Higher Education ("BOR") in conjunction with the Connecticut State Colleges and Universities ("CSCU") has the duty to protect the freedoms of inquiry and expression, and furthermore, has the responsibility to encourage all of its members to develop the capacity for critical judgment in their sustained and independent search for truth.

CSCU has certain self-defined institutional values. Principal among these values is respect for the safety, dignity, rights, and individuality of each member of the CSCU Community. The opportunity to live, study, and work in an institution which values diverse intellectual and cultural perspectives and encourages discussion and debate about competing ideas in an atmosphere of civility is a basic component of quality higher education.

All members of CSCU must at all times govern their social and academic interactions with tolerance and mutual respect so that the students who pass through a CSCU door are enriched by these experiences and are prepared for full and enlightened participation in a multi-cultural society. Because of the BOR's and CSCU's commitment to principles of pluralism, mutual respect, and civility, certain activities are not acceptable on CSCU campuses. Acts of intolerance, of hatred or violence based on race, religion, sexual orientation or expression, disability, gender, age, or ethnic background are antithetical to the BOR's and CSCU's fundamental principles and values. It is the BOR's and CSCU's responsibility to protect our students' right to learn by establishing an environment of civility.

The disciplinary process is intended to be part of the educational mission of CSCU. Student disciplinary proceedings are not criminal proceedings and are not subject to court rules of procedure and evidence.

#### Introduction

This Student Code of Conduct (hereinafter the "Student Code" or "Code") is intended to present a clear statement of student rights and responsibilities established by the Board of Regents for Higher Education. The BOR has charged the President of the Board of Regents for Higher Education with developing procedures to protect those rights and to address the abdication of responsibilities in collaboration with the four State Universities, the twelve Community Colleges and Charter Oak State College. The Student Code describes the types of acts that are not acceptable in an academic community.

*Disclaimer: This Code is neither a contract nor an offer of a contract between any BOR governed institution and any student. The provisions of this Code are subject to revision at any time.*

#### Part A: Definitions

The following list of defined terms utilized throughout this Student Code is provided in an effort to facilitate a more thorough understanding of the Code. This list is not intended to be a complete list of all the terms referenced in the Student Code that might require interpretation or clarification. The Vice President for Student Affairs at a University, the Dean of Students at a Community College, the Provost at Charter Oak State College or their designee shall make the final decision of the interpretation of the definition of any term found in the Student Code. For purposes of interpretation and application of the Student Code only, the following terms shall have the following meanings:

1. **"Accused Student"** means any student accused of violating this Student Code.
2. **"Advisor"** means a person who accompanies an Accused Student or an alleged victim to a hearing (or a proceeding pertaining to a report of sexual violence)

for the limited purpose of providing advice and guidance to the student. An advisor may not directly address the Hearing Body, question witnesses, or otherwise actively participate in the hearing process (or other proceeding pertaining to a report of sexual violence).

3. **“Appellate Body”** means any person or persons authorized by the University Vice President for Student Affairs, Community College Dean of Students, Charter Oak State College Provost or their designee to consider an appeal from a determination by a Hearing Body that a student has violated the Student Code.
4. **“Calendar Days”** means the weekdays (Mondays through Fridays) when the University or College is open.
5. **“College”** means either collectively or singularly any of the following institutions: Asnuntuck Community College, Capital Community College, Gateway Community College, Housatonic Community College, Manchester Community College, Middlesex Community College, Naugatuck Valley Community College, Northwestern Connecticut Community College, Norwalk Community College, Quinebaug Valley Community College, Three Rivers Community College, Tunxis Community College, and Charter Oak State College.
6. **“Complainant(s)”** means the person(s) who initiates a complaint by alleging that a Student(s) violated the Code.
7. **“CSCU”** means either collectively or singularly, any of the following institutions: Central Connecticut State University, Eastern Connecticut State University, Southern Connecticut State University, Western Connecticut State University; Asnuntuck Community College, Capital Community College, Gateway Community College, Housatonic Community College, Manchester Community College, Middlesex Community College, Naugatuck Valley Community College, Northwestern Connecticut Community College, Norwalk Community College, Quinebaug Valley Community College, Three Rivers Community College, Tunxis Community College, and Charter Oak State College.
8. **“CSCU Affiliates”** means individuals and/or entities with whom or with which the College or University has a contractual relationship.
9. **“CSCU Official”** means any person employed by the College or University to perform assigned administrative, instructional, or professional responsibilities.
10. **“CSCU Premises”** means all land, buildings, facilities, and other property in the possession of, or owned,

used, and/or controlled by, the University or College, either solely or in conjunction with another entity.

11. **“Disciplinary Officer”** or **“Conduct Administrator”** means a University, College or CSCU official who is authorized to determine the appropriate resolution of an alleged violation of the Code, and/or to impose sanctions or affect other remedies as appropriate. Subject to the provisions of this Code, a disciplinary officer or conduct administrator is vested with the authority to, among other duties: investigate a complaint of an alleged violation of the Code, decline to pursue a complaint, refer identified disputants to mediation or other appropriate avenues of resolution, establish charges against a student, enter into an administrative agreement developed with an Accused Student in accordance with Section II-B-3 of this Code, advise a Hearing Body, and present the case before the Hearing Body.
12. **“Hearing Body”** or **“Hearing Panel”** means any person or persons authorized by the University Vice President for Student Affairs, Community College Dean of Students or Charter Oak State College Provost to determine whether a student has violated the Code and to impose sanctions as warranted, including a hearing officer or hearing board.
13. **“Institution”** means the University or College within CSCU.
14. **“Instructor”** means any faculty member, teaching assistant or any other person authorized by the University to provide educational services, including, but not limited to, teaching, research, and academic advising.
15. **“Member of the CSCU Community”** means any person who is a student, an official or any other person who works for CSCU, either directly or indirectly (e.g., for a private enterprise doing business on a CSCU campus).
16. **“Policy”** means the written regulations, standards, and student conduct expectations adopted by the BOR and found in, but not limited to the Student Handbook, the Residence Life Handbook, the housing contract, the graduate and undergraduate catalogs, and other publicized University and College notices.
17. **“Prohibited Conduct”** means the conduct prohibited by this Code, as more particularly described in Part I-D of this Code.
18. **“Reporting Party”** means any person who alleges that a student has violated this Code.
19. **“Student”** means either (1) any person admitted, registered, enrolled or attending any CSCU course or CSCU conducted program, whether full-time or part-



time, and whether pursuing undergraduate, graduate or professional studies, or continuing education; (2) any person who is not officially enrolled for a particular term but who has a continuing relationship with a CSCU; or (3) any person within two calendar years after the conclusion of their last registered Community College course unless the student has formally withdrawn, graduated or been expelled from the College.

20. **"Student Code" or "Code"** means this Student Code of Conduct.
21. **"Student Organization"** means an association or group of persons that have complied with the formal requirements for University or College recognition.
22. **"Support Person"** means a person, who accompanies an Accused Student, a Reporting Party or a victim to a hearing for the limited purpose of providing support and guidance. A support person may not directly address the Hearing Body, question witnesses, or otherwise actively participate in the hearing process.
23. **"University"** means any of the following institutions: Central Connecticut State University, Eastern Connecticut State University, Southern Connecticut State University, and Western Connecticut State University, whichever the alleged violation of the Code occurred.
24. **"Shall" and "will"** are used in the imperative sense.
25. **"May"** is used in the permissive sense.

#### **Part B: Application, Distribution, And Administration Of The Student Code Of Conduct**

1. **Application of the Student Code:** The Student Code shall apply to the four Connecticut State Universities, the twelve Community Colleges, and the on-line college.

An alleged violation of the Student Code shall be addressed in accordance with the Code of Conduct, even if the accused Student has withdrawn from the Institution prior to the completion of the disciplinary procedures.

The Student Code shall apply to Students and to Student Organizations. The term "student" shall generally apply to the student as an individual and to a Student Organization as a single entity. The officers or leaders of a particular Student Organization usually will be expected to represent the organization during the disciplinary process. Nothing in this Student Code shall preclude holding certain members of a Student Organization accountable for their individual acts committed in the context of or in association with the organization's alleged violation of this Code.

2. **Distribution of the Student Code:** The Student Code shall be made readily available electronically and/or in a printed publication to students, faculty and staff. The office responsible for Student Affairs will annually distribute and make available to students, faculty and staff, electronically and/or in a printed publication, any revisions to the Code.
3. **Administration of the Student Code:** The Dean of Students shall be the person designated by the institution President to be responsible for the administration of the Academic Misconduct and the Non-Academic Misconduct portions of the Student Code.

#### **Part C: Scope Of Authority**

A Student who is found responsible for engaging in conduct that violates the Student Code on any Connecticut State College or University campus or on property controlled by the BOR or by any CSCU Affiliate or any CSCU sponsored function or event shall be subject to the sanctions described in this Code. The Student Code of Conduct also applies to online activities, where applicable. Students who attempt to engage in conduct that violates this Code, who knowingly encourage, aid or assist another person in engaging in such conduct, or who agree with another person, explicitly or otherwise, to engage in such conduct, may also be subject to disciplinary action.

Community College students conduct is subject to the Code on campus and off-campus whenever such conduct impairs College-related activities or affairs of another member of the College community or creates a risk of harm to a member or members of the College community. Students must be aware that, as citizens, they are subject to all federal and state laws in addition to all CSCU regulations governing student conduct and responsibilities. Students do not relinquish their rights nor do they shed their responsibilities as citizens by becoming members of the CSCU Community. However, where a court of law has found a student to have violated the law, an institution has the right to impose the sanctions of this Code even though the conduct does not impair institution related activities of another member of the university or college community and does not create a risk of harm to the college or university community. The decision to exercise this right will be in the sole discretion of the President of the impacted institution or his/her designee.

#### **Part D: Prohibited Conduct**

The following list of behaviors is intended to represent the types of acts that constitute violations of this Code.

1. **Academic misconduct**, which includes, but is not limited to, plagiarism and all forms of cheating.

Plagiarism is defined as the submission of work by a student for academic credit as one's own work of au-

thorship which contains work of another author without appropriate attribution.

Cheating includes, but is not limited to: (i) use of any unauthorized assistance in taking quizzes, tests or examinations; (ii) use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems or carrying out other assignments; (iii) the acquisition, without permission, of tests or other academic material belonging to a member of the University faculty or staff; and (iv) engaging in any other behavior specifically prohibited by a faculty member in the course syllabus.

2. Acts of dishonesty, including but not limited to the following:
  - a. Misuse of College documents, including, but not limited to forging, transferring, altering or otherwise misusing a student fee card, student payroll card, identification card or other College identification document, course registration document, schedule card, transcript, or any other institution-issued document or record.
  - b. Knowingly furnishing false information to any CSCU Official, faculty member or office.
3. Theft of property or services, or damage to, defacement or destruction of, or tampering with, real or personal property owned by the State of Connecticut, CSCU/BOR, the institution, or any member of the CSCU Community.
4. Actual or threatened physical assault or abuse, threatening behavior, intimidation, or coercion.
5. Sexual misconduct, as herein defined, is a violation of the BOR policies and, in addition, may subject an accused student or employee to criminal penalties. The BOR and each of its governed colleges and universities are committed to providing an environment free of personal offenses. Sexual misconduct may include engaging in one or more behaviors:
  - (a) Sexual harassment, which can include any unwelcome sexual advance or request for sexual favors, or any conduct of a sexual nature when submission to such conduct is made either explicitly or implicitly a term or condition of an individual's education; submission to or rejection of such conduct by an individual is used as a basis for academic decisions affecting the individual; or such conduct has the purpose or effect of substantially interfering with an individual's academic performance or creating an intimidating, hostile or offensive educational environment. Examples of

conduct which may constitute sexual harassment include but are not limited to:

- sexual flirtation, touching, advances or propositions
  - verbal abuse of a sexual nature
  - pressure to engage in sexual activity
  - graphic or suggestive comments about an individual's dress or appearance
  - use of sexually degrading words to describe an individual
  - display of sexually suggestive objects, pictures or photographs
  - sexual jokes
  - stereotypic comments based upon gender
  - threats, demands or suggestions that retention of one's educational status is contingent upon toleration of or acquiescence in sexual advances.
- (b) Sexual assault shall include but is not limited to a sexual act directed against another person when that person is not capable of giving consent, which shall mean the voluntary agreement by a person in the possession and exercise of sufficient mental capacity to make a deliberate choice to do something proposed by another.

A person who initially consents to sexual activity shall be deemed not to have consented to any such activity which occurs after that consent is withdrawn. Consent cannot be assumed because there is no physical resistance or other negative response. A lack of consent may result from mental incapacity (e.g., ingestion of alcohol or drugs which significantly impair awareness or judgment) or physical incapacity (e.g., the person is unconscious or otherwise unable to communicate consent).

Affirmative consent must be given by all parties before engaging in sexual activity. Affirmative consent means active, clear and voluntary agreement by a person to engage in sexual activity with another person.

Sexual assault is further defined in sections 53a-70, 53a-70a, 53a-70b, 53a-71, 53a-72a, 53a-72b and 53a-73a of the Connecticut General Statutes.

- (c) Sexual exploitation occurs when a person takes non-consensual or abusive sexual advantage of another for anyone's advantage or benefit other than the person being exploited, and that behavior does not otherwise constitute one of the preceding sexual misconduct offenses. Examples of behavior that could rise to the level of sexual exploitation include:

- Prostituting another person;
  - Non-consensual visual (e.g., video, photograph) or audio-recording of sexual activity;
  - Non-consensual distribution of photos, other images, or information of an individual's sexual activity, intimate body parts, or nakedness, with the intent to or having the effect of embarrassing an individual who is the subject of such images or information;
  - Going beyond the bounds of consent (such as letting your friends hide in the closet to watch you having consensual sex);
  - Engaging in non-consensual voyeurism;
  - Knowingly transmitting an STD, such as HIV to another without disclosing your STD status;
  - Exposing one's genitals in non-consensual circumstances, or inducing another to expose his or her genitals; or
  - Possessing, distributing, viewing or forcing others to view illegal pornography.
6. Intimate partner violence is defined as:
- Including intimate partner violence, which is any physical or sexual harm against an individual by a current or former spouse or by a partner in a dating relationship that results from (1) sexual assault, as defined in section 5 above; (2) sexual assault in a spousal or cohabiting relationship; (3) domestic violence; (4) sexual harassment, as defined in section 5 above or, (5) sexual exploitation, as defined in section 5 above.
  - Physical abuse, which can include but is not limited to, slapping, pulling hair or punching.
  - Threat of abuse, which can include but is not limited to, threatening to hit, harm or use a weapon on another (whether victim or acquaintance, friend or family member of the victim) or other forms of verbal threat.
  - Emotional abuse, which can include but is not limited to, damage to one's property, driving recklessly to scare someone, name calling, threatening to hurt one's family members or pets and humiliating another person.
7. Violations of privacy, including, but not limited to, voyeurism and the use of web-based, electronic or other devices to make a photographic, audio or video record of any person without his or her express consent, when such a recording is intended or likely to cause injury or distress. This includes, but is not limited to: (i) surreptitiously taking pictures or videos of another person in spaces such as sleeping areas, bathrooms, gymnasiums, locker rooms, and changing areas; and (ii) sexually exploiting another person by electronically recording or permitting others to view or electronically record, consensual sexual activity without a partner's knowledge or permitting others to view or listen to such video or audio tapes without a partner's knowledge and consent. Publicizing or threatening to publicize such records will also be considered a violation of this Code.
8. Hazing, which is defined as an act which endangers the mental or physical health or safety of a Student, or which destroys, damages, or removes public or private property for the purpose of initiation or admission into, affiliation with or as a condition for continued membership in a group or organization. The express or implied consent of the victim will not be a defense to an allegation of hazing. Consenting to the activity by remaining silent or not objecting in the presence of hazing is not a neutral act and is also a violation of this Student Code.
9. Stalking, which is defined as repeatedly contacting another person when:
- a. The contacting person knows or should know that the contact is unwanted by the other person; and
  - b. The contact causes the other person reasonable apprehension of imminent physical harm or the contacting person knows or should know that the contact causes substantial impairment of the other person's ability to perform the activities of daily life.
- As used in this definition, the term "contacting" includes, but is not limited to, communicating with (including internet communication via e-mail, instant message, online community or any other internet communication) or remaining in the physical presence of the other person.
10. Harassment, which is defined as conduct which is abusive or which interferes with a person's pursuit of his or her customary or usual affairs, including, but not limited to, such conduct when directed toward an individual or group because of race, ethnicity, ancestry, national origin, religion, gender, sexual orientation or expression, age, physical attribute, or physical or mental disability or disorder, including learning disabilities and mental retardation.
11. Conduct that is disorderly, lewd or indecent (including, but not limited to, public nudity and sexual activity in areas generally open to members of the campus community), breach of peace or aiding, abetting, or procuring another person to breach the peace on CSCU premises or at functions sponsored by, or affiliated with, the University or College.
12. Behavior or activity which endangers the health, safety, or well-being of oneself or others.



13. Offensive or disorderly conduct which causes interference, annoyance or alarm or recklessly creates a risk thereof at CSCU or CSCU premises, CSCU web or social media sites, at a CSCU-sponsored activity or in college or university courses, including cyber bullying. This offense does not apply to speech or other forms of constitutionally protected expression.
14. Unauthorized possession, duplication, or use of keys (including, but not limited to, card access, card keys, fobs, etc.) to any CSCU premises or forcible and/or unauthorized entry on or into CSCU premises.
15. Starting fires, causing explosions, falsely reporting the presence of fire, bombs, incendiary or explosive devices, or falsely reporting an emergency.
16. Unauthorized or improper possession, use, removal, tampering, or disabling of fire and/or safety equipment and warning devices, failure to follow standard fire and/or emergency safety procedures, or interference with firefighting or emergency response equipment or personnel.
17. Use, possession, purchase, sale, or distribution of alcoholic beverages, except as expressly permitted by law and CSCU regulations. Alcoholic beverages may not, under any circumstances, be used by, possessed by, or distributed to any person under twenty-one (21) years of age.
18. Use, possession, purchase, sale, distribution, or manufacturing of narcotics, controlled substances and/or drugs, including, but not limited to, marijuana and heroin, or drug paraphernalia, except as expressly permitted by law.
19. Use, possession, or distribution of firearms, ammunition for firearms, other weapons or dangerous instruments, facsimiles of weapons or firearms, fireworks, explosives, or dangerous chemicals. A dangerous instrument is any instrument, article, or substance that, under the circumstances in which it is being utilized, is capable of causing death or serious physical injury. The possession of a deadly weapon or dangerous instrument on campus is strictly prohibited, even if such item is legally owned.
20. Gambling, including, but not limited to, promoting, wagering, receiving monies for wagering or gambling for money or property on CSCU premises.
21. Disruption or obstruction of any College or University function, activity or event, whether it occurs on or off the campus, or of any non-University or College function, activity or event which is authorized by the institution to occur on its premises.
22. Intentional obstruction of the free flow of pedestrian or vehicular traffic on CSCU premises or at University or College-sponsored or supervised functions or interference with entry into or exit from CSCU premises or with the free movement of any person.
23. Failure to comply with the directions of CSCU officials or law enforcement officers acting in the performance of their duties and/or failure to identify oneself to these persons when requested to do so.
24. Conduct that violates published BOR/CSCU policies, rules, and regulations, including, but not limited to, residence hall rules and regulations.
25. Conduct prohibited by any federal, state, and/or local law, regulation or ordinance.
26. Unauthorized use of CSCU property or the property of members of the CSCU Community or of CSCU Affiliates.
27. Theft, unauthorized use, or abuse of University or College computers and/or peripheral systems and networks, including, but not limited to:
  - a. Unauthorized access to CSCU computer programs or files;
  - b. Unauthorized alteration, transfer or duplication of CSCU computer programs or files;
  - c. Unauthorized use of another individual's identification and/or password;
  - d. Deliberate disruption of the operation of CSCU computer systems and networks;
  - e. Use of the Institution's computing facilities and resources in violation of copyright laws (including unauthorized peer-to-peer file sharing of copyrighted material, including, but not limited to, copyrighted music, movies, and software);
  - f. Use of computing facilities and resources to send obscene messages (which are defined as messages which appeal mainly to a prurient, shameful, or morbid interest in nudity, sex, excretion, sadism, or masochism, go well beyond customary limits of candor in describing or representing such matters, and are utterly without redeeming social value); and
  - g. Violation of the BOR Policy Statement on Acceptable and responsible use of Information Technology resources and/or any applicable BOR computer use policy.

28. Abuse of the CSCU conduct and disciplinary system, including, but not limited to:
- Failure to obey the notice from a Hearing Body or CSCU Official to appear for a meeting or hearing as part of the Student Conduct system;
  - Falsification, distortion, or intentional misrepresentation of information to a Disciplinary Officer or Conduct Administrator, or before a Hearing Body;
  - Initiation of a conduct or disciplinary proceeding knowingly without cause;
  - Disruption or interference with the orderly conduct of a disciplinary proceeding;
  - Attempting to discourage an individual's proper participation in, or use of, the disciplinary system;
  - Attempting to influence the impartiality of a Disciplinary Officer, Conduct Administrator or member of a Hearing Body prior to, and/or during the course of, the disciplinary proceeding;
  - Harassment (verbal or physical) and/or intimidation of a Disciplinary Officer, Conduct Administrator, or member of a Hearing Body prior to, and/or during the course of the disciplinary proceeding;
  - Failure to comply with the sanction(s) imposed under the Student Code; and
  - Influencing or attempting to influence another person to commit an abuse of the disciplinary system.

#### **PART E: HEARING PROCEDURES FOR SEXUAL MISCONDUCT, SEXUAL INTIMATE PARTNER, DOMESTIC VIOLENCE & STALKING REPORTS**

In addition to disciplinary procedures applicable to State University students in Section II, Community College students in Section III, or Charter Oak State College Students in Section IV, for any hearing conducted involving allegations of sexual misconduct, including sexual harassment, sexual assault, sexual exploitation, stalking, and intimate partner violence the reported victim and the accused student shall each have the following rights:

- At any meeting or proceeding, both the reported victim and accused student may be accompanied by an advisor or support person of the student's choice provided the advisor or support person does not cause a scheduled meeting or hearing to be delayed or postponed and provided an advisor or support person may not directly address the Hearing Body, question witnesses, or otherwise actively participate in the hearing process (or other proceeding or pertaining to a report of sexual misconduct);

- The reported victim of sexual misconduct is entitled to request that disciplinary proceedings begin promptly;
- Any hearing regarding an accusation of sexual misconduct shall (i) be fair, prompt, and impartial; (ii) be conducted by a Hearing Body annually trained in issues relating to sexual misconduct; (iii) use the preponderance of evidence (more likely than not ) standard; (iv) shall allow both the accused student and reported victim the opportunity to present evidence and witnesses on their behalf during any disciplinary proceeding; and (v) shall provide both the accused student and the reported victim with equal access to any information that will be used during meetings and hearings.
- In accordance with the Family Educational Rights and Privacy Act (FERPA), the accused student and the reported victim have the right to keep their identities confidential;
- Any reported victim shall be provided written notice of the decision of the Hearing Body at the same time as the accused student, normally within one (1) business day after the conclusion of the Hearing. In accordance with the Family Educational Rights and Privacy Act (FERPA) the notice to any reported victim of sexual misconduct shall contain only the following: the name of the accused student, the violation committed, if any, and any sanction imposed against the accused student.
- The reported victim shall have the same right to request a review of the decision of the Hearing Body (appeal rights) in the same manner and on the same basis as shall the accused student; however, if a request for review by a reported victim is determined to be properly made and if the review determines there is sufficient grounds for altering the decision of the Hearing Body, among the other actions that may be taken as set forth above, the sanction of the hearing may also be increased. Notwithstanding the foregoing, in any hearing pertaining to sexual misconduct both the reported victim and the accused student are entitled to be simultaneously provided notice of any change in the results of the hearing prior to the time when the results become final as well as to be notified when such results become final.

#### **Part F: Conduct and Disciplinary Records**

The written decision resulting from an administrative conference or a hearing under this Code shall become part of the student's educational record and shall be subject to the provisions of the Family Educational Rights and Privacy Act (FERPA). A student's disciplinary record shall be maintained separately from any other academic or official file maintained by the Institution. Disciplinary records will be maintained for a period of five (5) years from the date of

the incident, except that the sanction of expulsion shall be noted permanently.

While student education records are generally protected from disclosure by FERPA, there are a number of exceptions to this rule. Students should be aware that a record concerning his/her behavior while a student at the College or University may be shared with other colleges or universities to which the student may subsequently wish to transfer or be admitted. Similarly, prospective employers may require a student to provide access to his/her education records as part of the employment application process. A record of having been sanctioned for conduct that violates Section I.D. of the Code may disqualify a student for admission to another college or university, and may interfere with his/her selection for employment.

### **Part G: Interpretation and Revision**

Questions regarding the interpretation of this Code shall be referred to the Community College's Dean of Students or their designees for the administration of the Non-Academic Misconduct portion of the Student Code and to the Community College's Dean of Academic Affairs or their designees for the administration of the Academic Misconduct portion of the Student Code.

This Code shall be reviewed and revised, if and as necessary, every five (5) years, or as directed by the President of the Board of Regents for Higher Education.

## **II. CONDUCT AND DISCIPLINARY PROCEDURES APPLICABLE TO COMMUNITY COLLEGE STUDENTS**

Procedures for Community College students differ from those procedures applicable to either the Universities or Charter Oak State College. This is due to the environmental, cultural and administrative differences within the types of the institutions comprising CSCU. Procedures for addressing allegations and sanctions regarding academic misconduct (as defined in Section I.D.1 above) for Community College Students as set forth in this Section III of the Code.

### **Part A: Disciplinary Procedures (Academic and Non-Academic Misconduct)**

In regard to College Students, the following procedures shall govern the enforcement of the Code:

1. Information that a student may have violated the Code should be submitted to the Dean of Students, Dean of Academic Affairs, or other designee of the President (hereinafter referred to as "the Dean"), normally within thirty (30) calendar days of the date of a possible violation or within thirty (30) calendar days of the date that the facts constituting a possible violation were known.

2. Upon receipt of information relating to a possible violation, the Dean may immediately place restrictions on or suspend a student on an interim basis if, in the judgment of the Dean, the continued presence of the student at the College or continued participation in the full range of college activities poses a danger to persons or property or constitutes an ongoing threat of disrupting the academic process.
  - a. "Interim restrictions" are limitations on the student's participation in certain College functions and activities, access to certain locations on campus, or access to certain persons, that do not prevent the student from continuing to pursue his/her academic program. A student upon whom the Dean has placed interim restrictions shall be afforded written reasons for the restrictions, as well as the time period during which the interim restrictions shall apply. The decision of the Dean regarding interim restrictions shall be final.
  - b. "Interim suspension" is the temporary separation of the student from the College that involves the denial of all privileges, including entrance to College premises. Prior to imposing an interim suspension, the Dean shall make a good faith effort to meet with the student. At this meeting, the Dean shall inform the student of the information received and provide the student an opportunity to present other information for the Dean's consideration. Based upon the information available at that time, the Dean shall determine whether the student's continued presence on campus poses a danger to persons or property or constitutes an ongoing threat of disrupting the academic process. A Student suspended on an interim basis by the Dean shall be provided written reasons for the suspension and shall be entitled to an administrative conference or a hearing as soon as possible, normally within ten (10) calendar days from the date the interim suspension was imposed. The decision of the Dean regarding an interim suspension shall be final.
3. Following the imposition of interim restrictions or interim suspension, if any, the Dean shall promptly investigate the information received by meeting with individuals who may have knowledge of the matter, including the accused student, and by reviewing all relevant documents. If upon the conclusion of the Dean's investigation, the Dean determines that there is insufficient reason to believe the student has committed a violation of any part of Section I.D. of this Policy, the Dean shall dismiss the matter and shall so inform the student in writing.



4. If upon the conclusion of the Dean's investigation, the Dean determines that there is reason to believe the student has committed a violation of any part of Section I.D. of this Code and, after considering both the possible violation and the prior conduct record of the Student, that a sanction of less than suspension or expulsion is appropriate, the Dean shall schedule an administrative conference with the student. The student shall be given reasonable notice of the time and place of the conference. At the administrative conference, the student shall have the opportunity to present information for the Dean's consideration. At the conclusion of the administrative conference, the Dean shall determine whether it is more likely than not that the student has violated the Policy and, if so, impose a sanction less than suspension or expulsion. The Dean shall provide the student with a written explanation for the determination. The decision of the Dean shall be final.
5. If upon the conclusion of the Dean's investigation, the Dean determines that there is reason to believe the student has committed a violation of any part of Section I.D. of this Code and, after considering both the violation and the prior conduct record of the student, that a sanction of suspension or expulsion is appropriate, the Dean shall provide the student with reasonable written notice of a meeting and shall inform the student that his/her failure to attend the meeting or to respond to the notice may result in the imposition of the maximum permissible sanction. At the meeting, the Dean shall provide the student with a written statement that shall include the following:
  - a. a concise statement of the alleged facts;
  - b. the provision(s) of Section I.D. that appear to have been violated;
  - c. the maximum permissible sanction; and
  - d. a statement that the student may resolve the matter by mutual agreement with the Dean, or may request a hearing by notifying the Dean in writing, which must be received by 5:00 pm on the following business day.
6. If the student requests a hearing, he/she is entitled to the following:
  - a. to be heard within five (5) days or as soon as reasonably possible by an impartial party or panel whose members shall be appointed by the Dean;
  - b. if the Dean appoints an impartial panel, to have a student on the panel if requested by the student;
  - c. to appear in person and to have an advisor who shall attend as a representative of the student. However, if there is pending at the time of the hearing a criminal matter pertaining to the same incident that is the subject of the hearing, a lawyer may be present for the sole purpose of observing the proceedings and advising the student concerning the effect of the proceedings on the pending criminal matter;
  - d. to hear and to question the information presented;
  - e. to present information, to present witnesses, and to make a statement on his or her behalf; and
  - f. to receive a written decision following the hearing.
7. As used herein, the term "impartial" shall mean that the individual was not a party to the incident under consideration and has no personal interest in the outcome of the proceedings. Prior to the commencement of the hearing, the student who is subject to the hearing may challenge the appointment of an impartial party or panel member on the grounds that the person(s) is (are) not impartial. The challenge shall be made in writing to the Dean and shall contain the reasons for the assertion that the person(s) is (are) not impartial. The decision of the Dean shall be final.
 

The written decision of the impartial party or panel shall specify whether, based on the information presented, it is more likely than not that the student committed the violation(s) reported and shall state the sanction to be imposed, if any. The written decision shall be provided to the student.
8. Sanctions imposed by an impartial party or panel are effective immediately. The President may, for good cause, suspend imposition of the sanctions imposed by the impartial party or panel to allow the Student time to prepare a written request for review. If a written request is received, the President may continue to suspend imposition of the sanctions until he has reviewed and acted on the student's request.
9. A written request for review of the decision of the impartial party or panel must be received by the President within three (3) calendar days after the student is notified of the decision and must clearly identify the grounds for review. The review by the President is limited to the record of the hearing, the written request, and any supporting documentation submitted with the request by the student. The decision of the impartial party or the panel shall be upheld unless the President finds that:
  - a. a violation of the procedures set forth herein significantly prejudiced the student; and/or
  - b. the information presented to the impartial party or panel was not substantial enough to justify the decision; and/or,
  - c. the sanction(s) imposed was (were) disproportionate to the seriousness of the violation.

10. Decisions under this procedure shall be made only by the college officials indicated.

### **Part B: Disciplinary Sanctions**

The prior conduct record of a student shall be considered in determining the appropriate sanction for a student who has been found to have violated any part of Section I.D. of this Code. Sanctions shall be progressive in nature; that is, more serious sanctions may be imposed if warranted by the prior conduct record of the student.

A “sanction” may be any action affecting the status of an individual as a student taken by the College in response to a violation of this Policy, and for the purposes of this Section III of the Code include, but are not limited to, the following:

1. “Expulsion” is a permanent separation from the College that involves denial of all student privileges, including entrance to College premises;
2. “Suspension” is a temporary separation from the College that involves denial of all student privileges, including entrance to college premises for the duration of the suspension, and may include conditions for reinstatement;
3. “Removal of College Privileges” involves restrictions on student access to certain locations, functions and/or activities but does not preclude the Student from continuing to pursue his/her academic program;
4. “Probation” is a status that indicates either (a) serious misconduct not warranting expulsion, suspension, or removal of College privileges, or (b) repetition of misconduct after a warning has been imposed;
5. A “Warning” is a written notice to the student indicating that he or she has engaged in conduct that is in violation of Section I.D. of this Code and that any repetition of such conduct or other conduct that violates this Code is likely to result in more serious sanctions;
6. “Community Restitution” requires a student to perform a number of hours of service on the campus or in the community at large.

## **POLICY ON VIOLENCE PREVENTION & RESPONSE**

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(Excerpted from the Board Policy, Section 2.13, Adopted December 20, 1999) On August 4, 1999, Governor John G. Rowland signed Executive Order No. 16 instituting a “zero tolerance” Violence in the Workplace Prevention Policy for all state agency personnel, contractors, subcontractors and vendors. In accordance with this directive and in an effort to provide a safe environment for employees, students, visitors and guests while on the premises of the Community Colleges, the Board has adopted and expanded the application of the Governor’s policy. Executive Order No. 16 is attached to this Board policy and is fully incorporated herein. For purposes of this policy, “violence” is defined as an overt act or threat of harm to a person or property, or any act that poses a substantial threat to the safety of any person or property. “Premises” is defined as any space owned or leased by the Community Colleges or any of its constituent units, including vehicles and any location where college or system business or activities are conducted. Conduct that may violate this policy includes, but is not limited to, the following:

- Intimidating, harassing or threatening behaviors
- Physical abuse, including hitting, slapping, poking, kicking, punching, grabbing, etc.
- Verbal abuse, including yelling, shouting, use of sexually, racially or ethnically charged epithets, etc.
- Vandalism
- Carrying or possessing weapons or dangerous instruments of any kind on Community College premises, unless properly authorized
- Using such weapons
- Any other act that a reasonable person would consider to constitute a threat of violence, including oral or written statements, gestures or expressions that communicate a direct or indirect threat of physical harm

### **Reporting Threats or Violent Acts**

A person who feels that he or she has been subjected to threats or acts of violence as defined herein, or a person who witnesses such threats or acts, must report the incident to a supervisor, manager or to the Human Resources office. Supervisors and managers who receive such reports shall seek advice from the Human Resources office regarding investigating the incident and initiating appropriate action. Serious incidents or serious threats of imminent danger to the safety of persons or property should immediately be reported to proper law enforcement authorities and/or to the campus Public Safety/Security Department.

Any individual who has applied for or obtained a protective or restraining order which lists the premises of the Community Colleges as protected areas, must provide to the Human Resources office a copy of the petition and decla-

ration used to seek the order, a copy of any temporary protective or restraining order that is granted, and a copy of any protective or restraining order that is made permanent. The sensitivity of the information requested is understood and colleges are responsible for treating such information in a manner that recognizes and respects the privacy of the reporting person.

### Enforcement of this Policy

All reported incidents of violence will be taken seriously and will be dealt with appropriately, including prompt evaluation, investigation and response. An individual who makes a substantial threat of violence or commits an act of violence as defined in this policy shall be removed from the premises. Any weapon or dangerous instrument will be confiscated and turned over to appropriate law enforcement/public safety authorities. There is no reasonable expectation of privacy with respect to such items on College premises. Violations of this policy, including knowingly providing a false report, or failing to cooperate fully with an investigation, may lead to disciplinary action up to and including dismissal from employment or expulsion from the College. Violations may also result in criminal penalties.

### Threat Assessment Team

Each College will establish a Threat Assessment Team to oversee the implementation of this policy. The Threat Assessment Team should include representatives of management, human resources, employee unions, public safety, and facilities management. One goal of the team approach is to ensure that people are prepared to work together to deal with violent or potentially violent situations. Although violence cannot always be prevented, planning ahead and being prepared to act swiftly to deal with threats, intimidation and other disruptive behavior at an early stage can reduce the risk. The Assessment Team has three major functions:

- **Identifying the potential for violence.** This involves analyzing trends in incidents relating to particular units, jobs, activities, time of day, and so forth.
- **Prevention.** This includes recommending procedures to prevent violence, such as conducting violence prevention and response training for employees and students, establishing mechanisms for employees, students and others to discuss their concerns about violence, conducting inspections of college premises, evaluating working environments of employees and students to ascertain any unusual risks, conducting employee/student surveys, recommending changes in physical plant, equipment, and practices to enhance campus safety.
- **Responding to individual acts of violence.** Incidents reported to the Human Resources office and/or the Public Safety department should be shared with the Threat Assessment Team which may advise and assist in the investigation if appropriate. The Team may also assist in the management of threats or incidents

of violence by planning a response to mitigate further damage, coordinating responses with local law enforcement and the community, and managing media inquiries.

### Publication of Policy on Violence Prevention and Response

This policy shall be distributed to all members of the college community and shall be posted prominently in areas where students, staff and guests may gather. The policy should also be included in orientation materials for new employees and students and published in college newsletters, catalogues and handbooks, as appropriate. The policy should be reissued once a year as a reminder of the importance of this issue in our community. Contractors, subcontractors, and vendors doing business with the college shall be advised that compliance with this policy is mandatory.





# PROGRAMS OF STUDY

Northwestern Connecticut Community College offers two undergraduate degrees - the Associate in Arts and the Associate in Science. The College also awards certificates upon the completion of specific non-degree programs of study.

The Associate in Arts degree is awarded upon the successful completion of a program of study in the liberal arts and sciences. In order to obtain the Associate in Arts degree, the student must complete a one year sequence of a foreign language (American Sign Language is recognized as a foreign language at NCCC), and complete two laboratory science courses (8 credits). Please note that the Transfer Ticket Associate in Arts degrees do not require a language sequence or two laboratory science courses.

The Associate in Science degree is awarded upon the successful completion of a program of study in a specific subject area or to those liberal arts and sciences graduates who choose not to fulfill the foreign language and laboratory science requirements.

A certificate is awarded upon completion of a non-degree program of study in certain fields. All courses taken for a certificate are applicable to an associate degree program. Note that some courses required to earn a certificate may have prerequisites.

Curricular patterns are designed for all fields of study offered at the College. In general, first-year students pursue similar programs, although some patterns require particular courses or the development of certain skills as a prerequisite to advanced or specialized courses.

Upon enrollment at the College, new students are given assessment tests which determine competencies in mathematics and English. Based on the information gained from these diagnostic tests, students are advised as to their proper placement in mathematics and English courses. All students are strongly advised to consult counselors or faculty advisors periodically during their course of study at the College in order to determine appropriate choices and sequences of courses. Curriculum sheets listing all required courses are available for all programs and can be obtained from the Center for Student Development in Green Woods Hall, Room 208.

If a student does not need to be readmitted\* to the College, he or she may graduate under the current catalog or the catalog under which he or she entered the College, providing it is not older than 10 years. If a student is enrolled for more than 10 years, then he or she may graduate under the current catalog or the catalog 10 years prior to his or her graduation. If a student has readmitted, he or

she may graduate under the readmit catalog, provided it is not more than 10 years old, or the current catalog.

\* Students who have not taken classes at the College for two or more years need to be readmitted to the College through the Admissions Office.

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Graphic Design, Certificate.....	75
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### BUSINESS

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General Studies, AS.....	102

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Computer Programming, Certificate .....	125
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## **GENERAL EDUCATION**

### **General Education Outcomes**

Within the context of its mission, Northwestern Connecticut Community College aspires to provide a basis for continuing growth and development for all students. In particular, the College expects that each student will develop a continuing interest in learning, effective communication skills, effective thinking skills, the ability to make informed choices concerning individual and social issues, and a foundation of interdisciplinary knowledge. As a practical application of this belief in general education, Northwestern has established a common multidisciplinary core of 24 to 25 credits which represents exposure to a broad range of academic subjects. Each student seeking an associate's degree is required to complete three credits of coursework in each of the core areas.

### **Common Core**

Composition	3
Literature or Communication Elective	3
Behavioral Sciences Elective	3
Humanities and Fine Arts Elective	3
Mathematics Elective	3
Natural Sciences Elective	(4) 3
Social Sciences Elective	3
Liberal Arts & Sciences Elective	3
	(25) 24

### **Common Core Areas**

#### **Composition**

Students in all programs are required to take English 101. After successful completion of English 101, students will:

- show evidence of independent critical thinking directed at the comprehension, criticism, and analysis of written, oral, and multimedia materials.
- identify problems, pose measurable research questions, and build evidence in support of tangible solutions.
- exhibit comprehensive technology and information literacy skills, including the ability to locate, evaluate, and integrate research materials into communications.
- demonstrate effective written and verbal communication skills that show an awareness of purpose and audience.

### Literature or Communication Elective

After successful completion of a literature or communications course, students will:

- demonstrate effective written and verbal communication skills that show an awareness of purpose and audience.
- exhibit comprehensive technology and information literacy skills, including the ability to locate, evaluate, and integrate research materials into communications.
- interpret and analyze both literary and communicative genres bridging together professional and personal opinions in order to construct broader understanding of the materials studied.

### Behavioral Sciences Elective

After successful completion of a behavioral science course students will be able to:

- articulate different research methods used within the respective fields.
- identify the difference between descriptive and explanatory research.
- describe the effects of social influences at both the individual and group level.
- identify and describe course-specific concepts.

### Humanities and Fine Arts Elective

After successful completion of a humanities or fine arts course students will:

- integrate and apply the principles and methods of the arts or humanities.
- acquire a more diverse understanding of forms of creative, philosophical, or cultural expression.

### Mathematics Elective

After successful completion of a college level mathematics course, students will:

- comprehend and solve problems by using the language of mathematics.
- acquire analytical reasoning and critical thinking skills which can be applied to new situations.
- apply mathematical and statistical methods to other disciplines as well as to other areas of their lives.

### Natural Sciences Elective (3-credit non-lab science or 4-credit lab science course)

After successful completion of a natural science course students will be able to:

- describe natural phenomena using proper scientific terminology.
- explain the methods, applications, and limitations of the scientific method.
- evaluate scientific information and data.
- effectively communicate knowledge of the natural world in a written essay, report, or project.

### Social Sciences Elective

After successful completion of a social science course students will be able to:

- identify and outline important foundations of Western and/or non-Western thought.
- interpret key core concepts such as religious theology, economic theory, nation building, gender, and/or race.
- analyze how key core concepts have played a role and continue to play a role in the development of complex societies.
- compare and contrast political, historical, social, or economic constructs.

### Liberal Arts & Sciences Elective:

Student will take an additional 3-credit LAS course. If this is not a directed program elective, it is usually selected in conjunction with the student's advisor.

**Northwestern Connecticut Community College's curricula are designed so that students graduating with an Associate's Degree will acquire:**

- Knowledge of human cultures and the physical and natural world as demonstrated by the ability to integrate and apply the fundamental principles and methods of the natural and physical sciences, social sciences, and arts and humanities.
- Critical Thinking and Problem Solving Skills as demonstrated by the ability to identify problems, gather, interpret, and evaluate data, and to synthesize and integrate information to draw conclusions.
- Interpersonal Communication Skills as demonstrated by the ability to listen actively, to present ideas clearly, and to show respect for the viewpoints of others.
- Information Literacy Skills as demonstrated by the ability to retrieve, analyze, synthesize, evaluate information and to recognize and credit the intellectual property of others.
- Technological Competency as demonstrated by the ability to use digital and discipline-specific technology to access and communicate information.
- Personal Responsibility as demonstrated by the ability to comport themselves in a way that demonstrates self-respect and self-control as well as concern and compassion for the larger community.
- Effective Writing Skills as demonstrated by the ability to articulate ideas clearly in writing with attention to audience and purpose.
- Critical Reading Skills as demonstrated by the ability to comprehend and analyze written and visual texts.
- Integrative Learning as demonstrated by the ability to connect ideas, skills, and concepts from across courses and disciplines to expand their learning.
- Skills for Lifelong Learning as demonstrated by the ability to transfer knowledge and skills from previous learning experiences to help make sense of new concepts and to show curiosity for new ideas.
- Ethical Reasoning as demonstrated by the ability to assess values, to recognize the social context of problems, and to formulate reasoned solutions.



# ELECTIVES AND SPECIFIC PROGRAM DESIGNATORS

**GENERAL ELECTIVES** (or “Elective”) refers to any course offered in the College catalog numbered 100 or higher.

**LIBERAL ARTS ELECTIVES** (or “LAS Electives”) are only courses designated in the LIBERAL ARTS ELECTIVES section below.

**DIRECTED ELECTIVES** (or “Technical Electives”) are determined by the program advisor(s).

## GENERAL ELECTIVES

*(Any course selected from the categories below or any Liberal Arts elective)*

- **BUSINESS**  
Accounting (ACC\*) and Business (BBG\*, BFN\*, BMG\*, BMK\*, BOT\*, BRE\*, HSP\*)
- **CAREER PROGRAM COURSES**  
Criminal Justice (CJS\*), Early Childhood Education (ECE\*), Health Information Management (HIM\*), Health Careers (HLT\*), Human Services (HSE\*), Interpreting (INT)\*, and Medical Assisting (MED\*)
- **COLLEGE FORUM/INTERDISCIPLINARY STUDIES**  
College Forum (COL\*) and Interdisciplinary Studies (IDS\*)
- **COMPUTER SCIENCE**  
Computer Science (CSC\*), Computer Applications (CSA\*), and Computer Systems Technology (CST\*) designated courses
- **DATA SCIENCE**  
Data Science (DTS\*)
- **DEAF STUDIES**  
Deaf Studies (DSC\*)
- **ENGINEERING SCIENCE**  
Engineering Science (EGR\*)
- **HEALTH AND PHYSICAL EDUCATION AND THERAPEUTIC RECREATION**  
Health and Physical Education (HPE\*) and Therapeutic Recreation (RLS\*)
- **TECHNOLOGY STUDIES**  
Computer Aided Drafting (CAD\*) and Manufacturing Technology (MFG\*)

## LIBERAL ARTS ELECTIVES

*(Any course selected from the categories below)*

- **BEHAVIORAL SCIENCE**  
Anthropology (ANT\*), Psychology (PSY\*), and Sociology (SOC\*)
- **COMMUNICATIONS ELECTIVE**  
Communications (COM\*) and Business Communications (BBG\* 210)
- **COMPUTER SCIENCE**  
Computer Science (CSC\*) only
- **FINE ARTS**  
Art (ART\*), Graphic Design (GRA\*), and Music (MUS\*)
- **HUMANITIES ELECTIVE**  
Communications (COM\*), English (ENG\*), Humanities (HUM\*), Modern Languages (including FRE\*, GER\*, SPA\*, and ASL\*), Philosophy (PHL\*), and Theater (THR\*)
- **MATHEMATICS**  
Mathematics (MAT\*)
- **NATURAL/PHYSICAL SCIENCE**  
Astronomy (AST\*), Biology (BIO\*), Chemistry (CHE\*), Earth Science (EAS\*), Environmental Science (EVS\*), Physics (PHY\*), and Science (SCI\*)
- **SOCIAL SCIENCE**  
Economics (ECN\*), Geography (GEO\*), History (HIS\*) and Political Science (POL\*)

## COMPUTER SCIENCE DIRECTED ELECTIVES

- Web Electives (CSC\* 223, CST\* 151, CST\* 154)
- Programming Electives (CSC\* 207, CSC\* 223)
- Technology Electives (CSC\* 234, CSC\* 298, CST\* 141, CST\* 180)
- Application Electives (CSA\* 105, CSA\* 135, CSA\* 205, CSC\* 234)

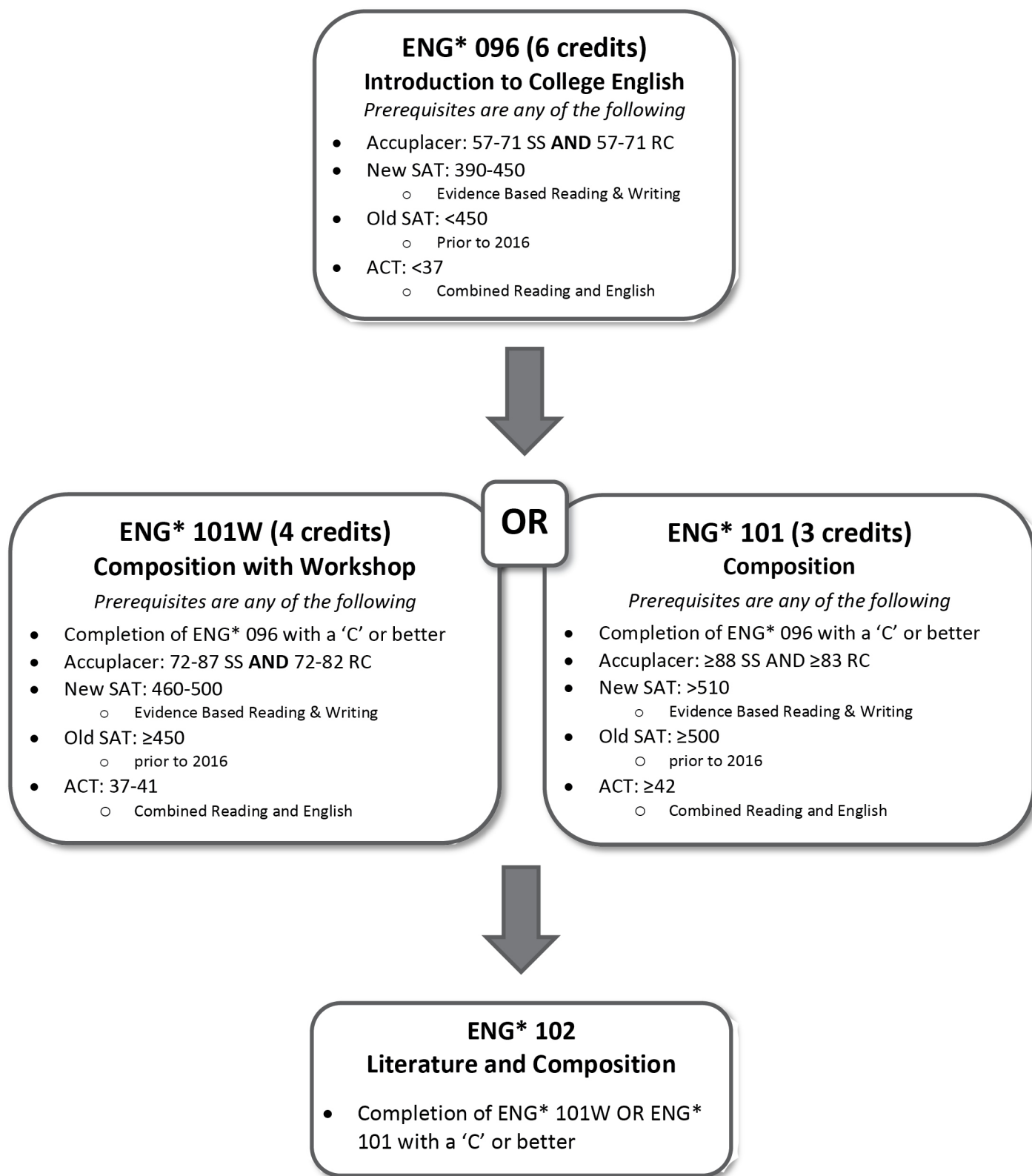
## IMPORTANT NOTE:

THE COURSE REQUIREMENTS FOR THE FOLLOWING PROGRAMS ARE SUBJECT TO CHANGE. THE COLLEGE RESERVES THE RIGHT TO CHANGE ANY OF THE PROVISIONS IN THIS CATALOG AT ANY TIME. INFORMATION AND REGULATIONS PRINTED HEREIN ARE SUBJECT TO CHANGE. THE BOARD OF REGENTS AND THE COLLEGE ADMINISTRATION MAY EXTEND, EXPAND, OR DELETE COURSES AND PROGRAMS DESCRIBED. TO REVIEW THE MOST CURRENT INFORMATION ON COURSE REQUIREMENTS, PLEASE CHECK THE NCCC WEBSITE. [WWW.NWCC.EDU](http://WWW.NWCC.EDU)



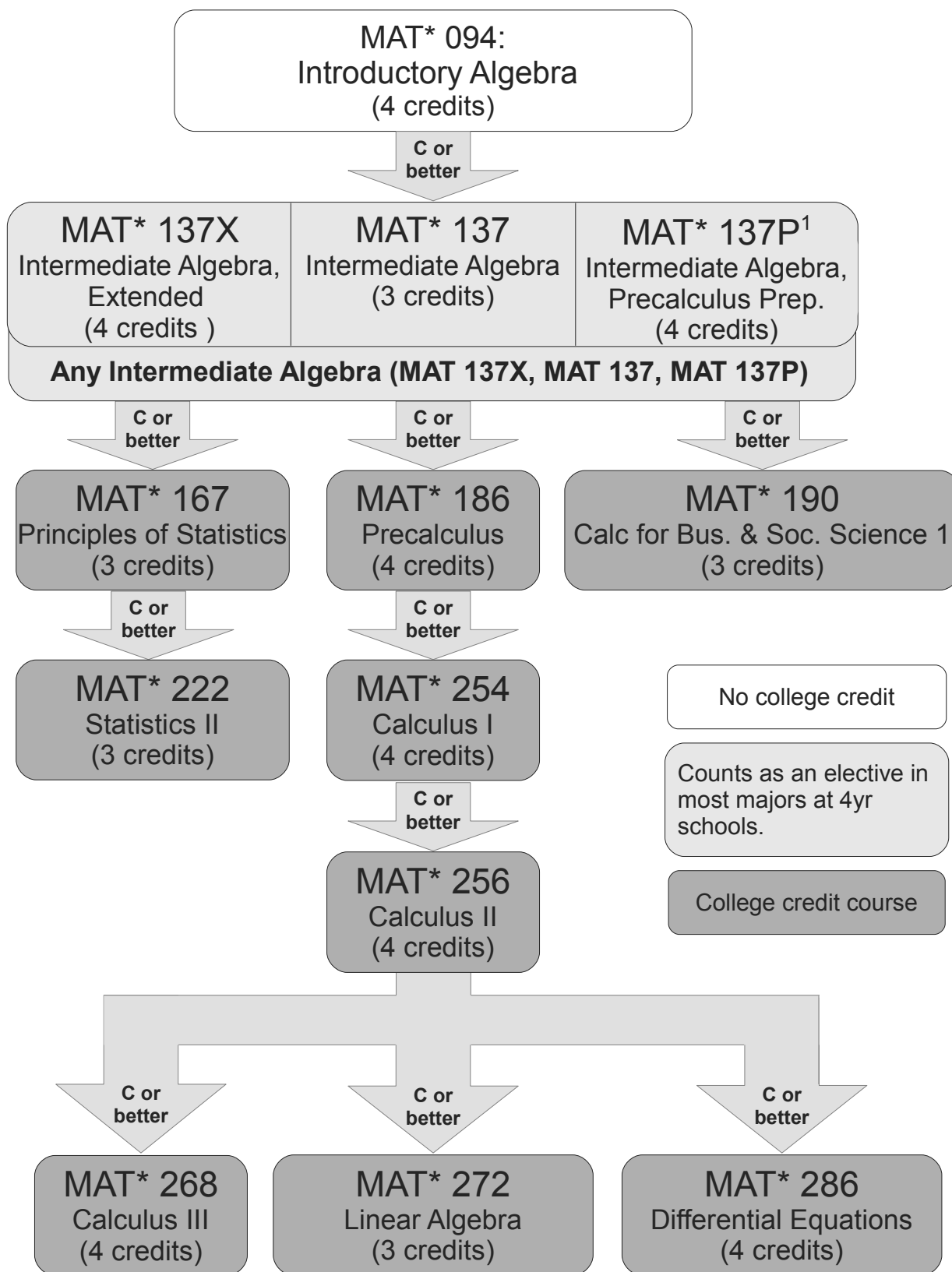
# ADVISING FLOW CHART FOR ENGLISH COURSES

Initial Placement based on Accuplacer, SAT, or ACT scores. For Accuplacer, students are placed based on their **lowest** score in either Sentence Skills (SS) or Reading Comprehension (RC).





# Mathematics Course Sequence at NCCC



1: Students planning on taking MAT 186 are encourage to take MAT 137P.

## Science Courses Flow Chart

See course descriptions for prerequisites.

\*\*Course requires prerequisites besides English

### Students in Non-Science Programs

#### LAB SCIENCE (4 CREDITS)

AST\* 111 – Introduction to Astronomy\*\*  
 BIO\* 110/110L – Principles of the Human Body  
 BIO\* 122 – General Biology II (no BIO 121 prereq)  
 BIO\* 155 – General Botany  
 BIO\* 178 – General Ecology  
 CHE\* 111 – Concepts of Chemistry\*\*  
 PHY\* 110 – Introductory Physics\*\*

#### NON-LAB SCIENCE (3 CREDITS)

BIO\* 110 – Principles of the Human Body (w/o BIO\* 110L)  
 EVS\* 100 – Intro to Environmental Science  
 EAS\* 102 – Earth Science

OR

### Students in Science-Based Programs (See Program Advisor)

#### LAB SCIENCE (4 CREDITS)

BIO\* 121 – General Biology I  
 BIO\* 122 – General Biology II  
 BIO\* 127 – Cell Biology and Organ Systems  
 BIO\* 155 – General Botany  
 BIO\* 178 – General Ecology  
 BIO\* 270 – Ecology\*\*

CHE\* 111 – Concepts of Chemistry\*\*

CHE\* 121 – General Chemistry\*\*

PHY\* 121 – General Physics\*\*

PHY\* 221 – Calculus-Based Physics\*\*

#### NON-LAB SCIENCE (3 CREDITS)

EVS\* 100 – Intro to Environmental Science  
 EAS\* 102 – Earth Science

# CSCU PATHWAY TRANSFER DEGREE: ART STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Art Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Janet Nesteruk, [jnesteruk@nwcc.edu](mailto:jnesteruk@nwcc.edu), 860-738-6384

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ART* 101	Art History I	3
ART* 111	Drawing I	3
CONX	Continued Learning & Info Literacy <sup>^</sup>	3
AESX	Aesthetic Dimensions <sup>^</sup>	3
<b>SEMESTER 2</b>		
ART* 102	Art History II	3
ART* 121	Two-Dimensional Design	3
WRIX	Written Communication II <sup>^</sup>	3
SCRX	Scientific Reasoning <sup>2^</sup>	3(4)
ELECTIVE	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
ART* 122 ART* 131	Three-Dimensional Design <b>OR</b> Sculpture I	3
SCKX	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
SOCX	Social Phenomena I <sup>^</sup>	3
QUAX	Quantitative Reasoning <sup>^</sup>	3
ELECTIVE	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
SOPX	Social Phenomena II <sup>^</sup>	3
HISX	Historical Knowledge & Understanding <sup>^</sup>	3
ART* 112 ART* 131 or 161 GRA* 151 ART* 141 or 270	Art Electives – Select 2 or 3 Options: <ul style="list-style-type: none"> <li>Drawing II <b>OR</b></li> <li>Sculpture I <b>or</b> Ceramics I <b>OR</b></li> <li>Graphic Design I <b>OR</b></li> <li>Photography I <b>or</b> Digital Imaging</li> </ul>	6-9
ELECTIVE	Unrestricted Elective <sup>1</sup>	3-6
<b>TOTAL CREDITS</b>		<b>60(62)</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor be earning at least 18 credits in one area outside your major field. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC; and one additional General Education requirement for ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

*The Art Department reserves the right to retain, exhibit and reproduce any work of student art submitted for credit or any art course.*

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



## ART EDUCATION TRANSFER PATHWAY

### Associate in Science Degree – Liberal Arts & Science

#### 2020-2021

This pathway is designed to prepare students for transfer to a baccalaureate degree in art education at a four-year college or university. At the associate degree level students will focus on completing their general education requirements, as well as a selection of foundational courses that are required for teaching certification in the State of Connecticut. A contingent of these courses will be offered in art.

**Advisor:** Janet Nesteruk, [jnesteruk@nwcc.edu](mailto:jnesteruk@nwcc.edu), 860-738-6384

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
SEMESTER 1		
ENG* 101	Composition	3
ART* 101	Art History I	3
ART* 111	Drawing I	3
ART* 121	Two-Dimensional Design	3
ART*	Art Elective (6 studio hours)	3
SEMESTER 2		
ENG* 102	Literature & Composition	3
ART* 102	Art History II	3
ART* 112	Drawing II	3
PSY* 111	General Psychology I	3
HIS* 201	US History I OR	3
HIS* 202	US History II	
SEMESTER 3		
MAT*	Mathematics Elective higher than MAT* 137 (MAT* 167 recommended)	3
PSY* 201	Lifespan Development	3
ECN*	Economics Elective OR	3
GEO*	Geography Elective OR	
POL*	Political Science Elective	
ENG*	English Literature Elective (200 level or higher)	3
ELECTIVE	Natural/Physical Lab Science Elective	4
SEMESTER 4		
ART* 122	Three-Dimensional Design	3
PHL*	Philosophy Elective	3
ART* 151	Painting I	3
ART* 131	Sculpture I OR	3
ART* 161	Ceramics I	
ELECTIVE	Natural/Physical Lab Science Elective	4
TOTAL CREDITS		62

#### ^^PORTFOLIO REQUIREMENT for CCSU

All art majors must submit a portfolio of at least 10 works for Consideration by the Art faculty. Students whose portfolios do not meet standards will be required to take supplemental courses. No students will be allowed to proceed beyond a 200-level Art course without a successful portfolio review.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

#### Program Outcomes

The General Education component in all programs of study at NCCC, including the Liberal Arts and Sciences degree programs, encompass the following competency or knowledge-based learning outcomes:

1. Critical thinking skills.
2. Effective verbal, written, oral and visual communication skills.
3. Familiarity with multiple areas of traditional knowledge supporting intellectual excellence and openness.
4. Integrated studies among disciplines.
5. Commitment to social responsibility.
6. Awareness of the world at large.
7. Information literacy.
8. Commitment to lifelong learning.
9. Application of principles of effective design.
10. Demonstration of the ability to use form in a work of art to convey a specific content.
11. Compilation of a portfolio of two and three dimensional artwork.

#### Students wishing to transfer to CCSU must meet the Art Education Admissions Requirements:

PRIOR to submission of application to the professional program students must:

- Complete at least 45 credits, 15 of which have been earned at CCSU for secondary and all-level programs (the 15 credit CCSU requirement is supposed to be waived for CC students).
- Passing scores for Praxis I (PPST) or official SAT waiver.
- A minimum of 2.70 cumulative GPA at CCSU and a minimum 2.70 cumulative GPA including all undergraduate course-work taken at all institutions (including CCSU).
- Satisfactory completion of or, in some cases, enrollment in prerequisite courses AND additional departmental requirements as outlined below:
  - ART 112, ART 113, ART 120 and PSY 236.
  - Art Department portfolio review^^.
  - A minimum overall GPA of 3.00 in all ART classes

# FINE ARTS

## Associate in Science Degree

### 2020-2021

Northwestern's Fine Art Program is designed to expand the student's creative potential through a series of studio courses and academic electives. The program prepares students for transfer to four year programs in art. Additionally, students develop entry level career skills.

Students learn traditional as well as contemporary approaches to fine art and design. They develop a portfolio which includes a wide variety of art media and highlights areas of special interest. They gain an awareness of current and historical issues in art through a combination of studio, art history and liberal arts electives. Students participate in the activities of NCCC's Gallery, a facility which hosts an array of professional and student art exhibitions.

**Advisor:** Janet Nesteruk, [jnesteruk@nwcc.edu](mailto:jnesteruk@nwcc.edu), 860-738-6384

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ART* 111	Drawing I	3
ART* 121	Two-Dimensional Design	3
GRA* 151	Graphic Design I	3
ELECTIVE	Liberal Arts Elective	3
<b>SEMESTER 2</b>		
ENG* 102	Literature & Composition	3
ART* 112	Drawing II	3
ART* 122	Three-Dimensional Design	3
ELECTIVE	Natural/Physical Science Elective	3(4)
MAT*	Mathematics Elective	3
<b>SEMESTER 3</b>		
ART* 101	Art History I	3
ART* 151	Painting I	3
ART* 161 ART* 163 ART* 164	Ceramics I <b>OR</b> Ceramics Handbuilding <b>OR</b> Ceramic Throwing	3
ELECTIVE	Social Science Elective	3
ELECTIVE	Behavioral Science Elective	3
<b>SEMESTER 4</b>		
ART* 102	Art History II	3
ART* 113	Figure Drawing I	3
ART* 131	Sculpture I	3
ART* 152	Painting II	3
ART* GRA*	Art Elective <b>OR</b> Graphic Design Elective	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate critical thinking and visual problem solving ability.
2. Use a variety of studio art methods, tools, processes and media to produce original works of art.
3. Compile and present a portfolio of two and three dimensional art work.
4. Recognize, integrate and apply principles of effective design.
5. Understand the relationship of form to content in a work of art; demonstrate the ability to use form to convey a specific content.
6. Recognize the commonalities and interrelationships that exist between all forms of visual art studied in the program – drawing, painting, two dimensional design, three dimensional design, ceramics, painting, photography, basic graphic design.
7. Show knowledge of selected artists and aesthetic movements from the history of art; understand art as an expression of the human condition.
8. Utilize art terminology in critically evaluating works of art and design.
9. Demonstrate the ability to use computers, digital cameras and scanners for artistic purposes.
10. Demonstrate techniques for exhibiting art in a gallery setting.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

*The Art Department reserves the right to retain, exhibit and reproduce any work of student art submitted for credit or any art course.*

# FINE ARTS DIGITAL MEDIA OPTION Associate in Science Degree 2020-2021

Northwestern's Digital Media Option is designed to equip students with a foundation in the aesthetics, terminology, vocabulary, technical skills, and design concepts of digital media production. It also will provide students with the abilities to either transfer into a four-year program in areas of digital arts or to seek employment with digital animation and video production companies, television stations, media and web design companies, or advertising agencies.

**Advisor:** Susan Berg, [sberg@nwcc.edu](mailto:sberg@nwcc.edu), 860-738-6342

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ART* 111	Drawing I	3
ART* 151	Painting I	3
GRA* 151	Graphic Design I	3
ELECTIVE	Social Science Elective	3
<b>SEMESTER 2</b>		
ENG* 102	Literature & Composition	3
ART* 112	Drawing II	3
ART* 122	Three-Dimensional Design	3
GRA* 252	Graphic Design II	3
ELECTIVE	Behavioral Science Elective	3
<b>SEMESTER 3</b>		
ART* 101	Art History I	3
ART* 121	Two-Dimensional Design	3
ART* 144	Digital Photographic Imaging	3
GRA* 227	Interactive Media	3
ELECTIVE	Natural/Physical Science Elective	3(4)
<b>SEMESTER 4</b>		
ART* 102	Art History II	3
ART* 113 ART* 131	Figure Drawing I <b>OR</b> Sculpture I	3
ART* 176	Digital Video Arts	3
ART* GRA*	Studio Art Elective <sup>^</sup>	3
MAT*	Mathematics Elective	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

<sup>^</sup> ART\* 113, 131, 152, 161 or GRA\* 227, 260, 291

*The Art Department reserves the right to retain, exhibit and reproduce any work of student art submitted for credit or any art course.*

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate critical thinking and visual problem solving ability.
2. Use a variety of art tools, processes and media to produce original works of art and design.
3. Compile and present a portfolio of works of two dimensional, three dimensional and the art of the moving image.
4. Recognize and apply principles of effective design, composition and color theory.
5. Recognize the commonalities and inter-relationships that exist between all forms of visual art studied in the program including drawing, two dimensional design, three dimensional design, photography, graphic design, digital imaging and video.
6. Show knowledge of selected artists and aesthetic movements from the history of art; understand art as an expression of the human condition.
7. Demonstrate story design by creating storyboards, treatments, and scripts for digital video shorts.
8. Demonstrate concept development by creating original digital photographs, collages, and videos which communicate their intended purpose.
9. Communicate effectively, both verbally and in writing through artist statements and video synopsis.
10. Apply the computer as a production and composing tool.
11. Translate knowledge of the visual arts to digital design and production.
12. Use the computer as a production and composing tool.
13. Present a portfolio of original works in digital format.



**FINE ARTS**  
**GRAPHIC COMMUNICATION DESIGN OPTION**  
**Associate in Science Degree**  
**2020-2021**

Northwestern's Graphic Communication Design option is designed to prepare students for transfer and career opportunities in the field of graphic design. The program prepares students for employment with printers, corporate graphic design department, design studios, advertising agencies, commercial and photographic studios, fashion, marketing and media buying organizations, video and media promotion departments, newspapers and publishers, signage and environmental design businesses, and animation and internet design studios.

Northwestern's graphic design students learn the principles and processes of graphic design while working in up-to-date computer and photography studios. They develop a portfolio of original works of graphic design, computer art and fine art, which can be used for employment and transfer.

**Advisor: Susan Berg, [sberg@nwcc.edu](mailto:sberg@nwcc.edu), 860-738-6342**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>ART* 111</b>	Drawing I	3
<b>ART* 121</b>	Two-Dimensional Design	3
<b>ART* 144</b>	Digital Photographic Imaging	3
<b>GRA* 151</b>	Graphic Design I	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>ART* 112</b>	Drawing II	3
<b>ART* 122</b>	Three-Dimensional Design	3
<b>ART* 176</b>	Digital Video	3
<b>GRA* 252</b>	Graphic Design II	3
<b>SEMESTER 3</b>		
<b>ART* 101</b>	Art History I	3
<b>ART* 113</b>	Figure Drawing I	3
<b>ART* 151</b>	Painting I	3
<b>GRA* 227</b>	Interactive Media	3
<b>MAT*</b>	Mathematics Elective	3
<b>SEMESTER 4</b>		
<b>ART* 102</b>	Art History II	3
<b>GRA* 260</b>	Web Design	3
<b>ELECTIVE</b>	Behavioral Science Elective	3
<b>ELECTIVE</b>	Natural/Physical Science Elective	3(4)
<b>ELECTIVE</b>	Social Science Elective	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

**Program Outcomes**

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate critical thinking and visual problem solving ability.
2. Use a variety of studio art tools, processes and media to produce original works of art.
3. Compile and present a portfolio of works of two and three dimensional art work.
4. Recognize and apply principles of effective design, composition and color theory.
5. Understand the relationship of form to content in a work of art; demonstrate the ability to use form to convey a specific content.
6. Recognize the commonalities and inter-relationships that exist between all forms of visual art studied in the program – drawing, painting, two dimensional design, three dimensional design, pottery, painting, photography, basic design.
7. Show knowledge of selected artists and aesthetic movements from the history of art; understand art as an expression of the human condition.

*The Art Department reserves the right to retain, exhibit and reproduce any work of student art submitted for credit or any art course.*

**Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.**

## FINE ARTS Certificate 2020-2021

The Fine Arts Certificate Program is a program for the student who wishes to begin or continue the study of art at the college level. All courses can be applied to the Associate degree program in Fine Art.

**Advisor:** Janet Nesteruk, [jnesteruk@nwcc.edu](mailto:jnesteruk@nwcc.edu), 860-738-6384

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ART* 111	Drawing I	3
ART* 121	Two-Dimensional Design	3
ART* 151	Painting I	3
ART*	Ceramics <b>OR</b> Sculpture Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
ART* 112	Drawing II	3
ART* 122	Three-Dimensional Design	3
ART* 113	Figure Drawing I	3
ART* 296	Advanced Studio	3
<b>TOTAL CREDITS</b>		<b>24</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Use a variety of studio art methods, tools, processes and media to produce original works of art.
2. Compile and present a portfolio of two and three dimensional work.
3. Recognize, integrate and apply principles of effective design.
4. Understand the relationship of form to content in a work of art as well as demonstrate the ability to use form to convey a specific content.
5. Demonstrate techniques for exhibiting art in a gallery setting.

<sup>1</sup> Ceramics or Sculpture Elective must be a 3 semester hour/6 studio hour course.  
ART\* 133 – Pottery for Non-Majors cannot be used to fulfill this requirement.

## GRAPHIC DESIGN Certificate 2020-2021

Northwestern's Graphic Design Program aims to provide the student with entry level graphic design skills. All courses are applicable to an Associate Degree. Northwestern's graphic design students learn the principles and processes of graphic design while working in up-to-date computer graphics and photography studios. They develop a portfolio of original works of graphic design, computer illustration and desktop publishing.

**Advisor:** Sue Berg, [sberg@nwcc.edu](mailto:sberg@nwcc.edu), 860-738-6342

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ART* 144	Digital Photographic Imaging	3
GRA* 151	Graphic Design I	3
<b>SEMESTER 2</b>		
GRA* 252	Graphic Design II	3
<b>SEMESTER 3</b>		
GRA* 227	Interactive Media	3
GRA* 260	Web Design	3
<b>TOTAL CREDITS</b>		<b>15</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate the ability to organize space on the printed surface.
2. Demonstrate the ability to organize space online.
3. Operate state-of-the-art graphic design software.
4. Create a graphic design portfolio for transfer or employment.

# CSCU PATHWAY TRANSFER DEGREE: COMMUNICATION STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Communication Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor: Dr. April Parsons, [aparsons@nwcc.edu](mailto:aparsons@nwcc.edu), 860-738-6341**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>QUAX</b>	Quantitative Reasoning <sup>^</sup>	3
<b>COM* 173</b>	Public Speaking	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>COM* 101</b>	Introduction to Mass Communications <sup>3</sup>	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>COM* 114</b>	Great Speeches	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>CRTY</b>	General Education I - Creativity <sup>^</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>CONX</b>	Continued Learning/Information Literacy <sup>^</sup>	3
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	4
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup>	3
<b>COM*</b>	Communication Elective <sup>3</sup>	3
<b>COM*</b>	Communication Elective <sup>3</sup>	3
<b>TOTAL CREDITS</b>		<b>60/62</b>

<sup>1</sup> Choose any course at the 100-level to complete unrestricted electives, although you may need to use these credits to courses that prepare you for required courses in the degree program. You should consider using unrestricted electives to meet foreign language requirements for your program or begin work on completing a minor. Central Connecticut State University will require that you complete a minor by earning at least 18 credits in one area outside your major field; you must complete at least 9 of those minor credits at Central. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

<sup>3</sup> Northwestern does not offer any other communication courses, so in order to complete the degree, you will have to take two additional communication courses at another institution.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# CSCU PATHWAY TRANSFER DEGREE: ENGLISH STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **English Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor: Dr. April Parsons, [aparsons@nwcc.edu](mailto:aparsons@nwcc.edu), 860-738-6341**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>QUAX</b>	Quantitative Reasoning <sup>^</sup>	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>ENG* 221</b> <b>ENG* 231</b>	American Literature I <sup>3</sup> <b>OR</b> British Literature I <sup>3</sup>	3
<b>ENG* 240</b>	Studies in World Literature	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>CRTY</b>	General Education I - Creativity <sup>^</sup>	3
<b>SEMESTER 4</b>		
<b>ENG* 222</b> <b>ENG* 232</b>	American Literature II <sup>3</sup> <b>OR</b> British Literature II <sup>3</sup>	3
<b>CONX</b>	Continued Learning & Info Literacy <sup>^</sup>	3
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>61/62</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for your programs or begin work on completing a minor. Central Connecticut State University will require that you complete a minor by earning at least 18 credits in one area outside your major field; you must complete at least 9 of those minor credits at Central. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

<sup>3</sup> You must complete ENG\* 221 American Literature I **AND** ENG\* 232 British Literature II **OR** complete ENG\* 222 American Literature II **AND** ENG\* 231 British Literature I.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# ENGLISH TRANSFER PATHWAY

## Associate in Art Degree – Liberal Arts & Science

### 2020-2021

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in English at a four-year college or university.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT*</b>	Mathematics Elective (Higher than MAT* 137)	3(4)
<b>HIS* 101</b> <b>HIS* 102</b> <b>HIS* 201</b> <b>HIS* 202</b>	Western Civilization I <b>OR</b> Western Civilization II <b>OR</b> US History I <b>OR</b> US History II	3
<b>ELECTIVE</b>	Art or Music Elective	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>ELECTIVE</b>	Directed Humanities Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Behavioral Science Elective	3
<b>ELECTIVE</b>	Elective	3
<b>SEMESTER 3</b>		
<b>ENG* 211</b> <b>ENG* 213</b> <b>ENG* 214</b>	The Short Story <b>OR</b> Poetry <b>OR</b> Drama	3
<b>ELECTIVE</b>	Foreign Language I Elective <sup>2</sup>	3
<b>ECN*</b> <b>GEO*</b> <b>POL*</b>	Economics Elective <b>OR</b> Geography Elective <b>OR</b> Political Science Elective	3
<b>ENG*</b>	Literature Survey Course <sup>3</sup>	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>SEMESTER 4</b>		
<b>ELECTIVE</b>	Foreign Language II Elective <sup>2</sup>	3
<b>ENG*</b>	Literature Survey Course <sup>3</sup>	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>ENG*</b>	Special Topics or Writing Course <sup>4</sup>	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>TOTAL CREDITS</b>		<b>62(63)</b>

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

### Program Outcomes

The objective of the English pathway is to prepare students for transfer to a four-year college or university. This pathway specifically prepares students for advanced study in English related fields such as literature, journalism, creative writing, or English education. The courses in this pathway enhance students' skills in critical thinking, reading, and writing. Specifically, in addition to achieving the general education outcomes, upon completion of the coursework assigned to the English Transfer Pathway a student will be able to:

1. Clearly express a point of view using appropriate supporting materials and citations.
2. Understand and analyze a variety of texts using critical thinking skills.
3. Apply information literacy strategies to evaluate sources.
4. Explain and understand the connection between reading and writing.
5. Read, discuss and analyze selected major works of fiction from Western and non-Western cultural traditions.
6. Write extensively from an expository and/or creative stance.

<sup>1</sup> Directed Humanities Elective: PHL\*, THR\*, Foreign Language (ASL\*, FRE\*, GER\*, and SPA\*), Literature (ENG\* 211, 213, 214, 221, 222, 229, 231, 232, 240, 260, 261, 266, 271, 294, and ENG\* 298 if its primary focus is literature).

<sup>2</sup> The foreign language requirement will be waived for any student who has completed 3 years of a single foreign language in high school with a grade of 'C' or better. If the language requirement is waived, 6 credits in liberal arts courses will be substituted.

<sup>3</sup> **Literary Survey Courses:**  
ENG\* 221, 222, 231, 240, 260 or 262

<sup>4</sup> **Special Topics or Writing Courses:**  
ENG\* 200, 281, 284 or 298.

# LIBERAL ARTS & SCIENCE

## Associate in Art Degree/ Associate in Science Degree

### 2020-2021

The Liberal Arts and Science degree is designed for students planning to continue their education for a baccalaureate degree. Courses include the General Education classes required by four year colleges and universities. Advisors help choose the best electives according to a student's area of interest.

See the Academic Information section of this catalog for degree requirements for Associate in Art versus Associate in Science degrees. Following are **"Special Transfer Programs" for Biology, English, History, Psychology and Teaching Careers Transfer Pathways.**

**Advisor:** Assigned according to student's area of interest.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT*</b>	Mathematics Elective (Higher than MAT* 137)	3(4)
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Elective	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>HIS* 101</b> <b>HIS* 102</b> <b>HIS* 201</b> <b>HIS* 202</b>	Western Civilization I <b>OR</b> Western Civilization II <b>OR</b> US History I <b>OR</b> US History II	3
<b>ELECTIVE</b>	Behavioral Science Elective	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Elective	3
<b>SEMESTER 3</b>		
<b>ECN*</b> <b>GEO*</b> <b>POL*</b>	Economics Elective <b>OR</b> Geography Elective <b>OR</b> Political Science Elective	3
<b>ELECTIVE</b>	Laboratory Science Elective	4
<b>ELECTIVE</b>	Art or Music Elective	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Elective	3
<b>SEMESTER 4</b>		
<b>ELECTIVE</b>	Directed Humanities Elective <sup>^</sup>	3
<b>ELECTIVE</b>	Laboratory Science Elective	4
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Elective	3
<b>TOTAL CREDITS</b>		<b>62(63)</b>

### Program Outcomes

- In addition to meeting the general education outcomes demanded by the College's general education core curriculum, students enrolled in the Liberal Arts and Sciences degree program must demonstrate competence in meeting additional standards. Specifically, at the end of the LAS degree, students must demonstrate:
1. Independent critical thinking skills directed at the comprehension, analysis, and criticism of literature.
  2. Enhanced awareness and understanding of human experience as revealed through the study, analysis, and explication of literary works.
  3. The ability to analyze different historical perspectives and the changing nature of historical interpretation through the use of primary and secondary sources.
  4. The ability to properly use scientific tools and equipment to make observations and collect data.
  5. The ability to explain the interdisciplinary nature of science and scientific discovery.
  6. The ability to use mathematical and/or statistical methods to solve problems and analyze real-world situations.
  7. The ability to recognize and evaluate the major questions, figures, and movements in philosophy's main fields and schools of thought.

<sup>^</sup>**Directed Humanities Elective:** PHL\*, THR\* Foreign Language (ASL\*, FRE\*, GER\*, and SPA\*), Literature (ENG\* 211, 213, 214, 221, 222, 229, 231, 232, 240, 260, 261, 266, 271, 294, and ENG\* 298 if its primary focus is literature).

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# CSCU PATHWAY TRANSFER DEGREE: SPANISH STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Spanish Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Jessica Treat, [jtreat@nwcc.edu](mailto:jtreat@nwcc.edu), 860-738-6340

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>SPA* 101</b>	Elementary Spanish I	3
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>SPA* 102</b>	Elementary Spanish II	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>QUAX</b>	Quantitative Reasoning <sup>2^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>SPA* 201</b>	Intermediate Spanish I	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>CRTY</b>	General Education I – Creativity <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>SPA* 202</b>	Intermediate Spanish II	3
<b>CONX</b>	Continued Learning & Info. Literacy <sup>^</sup>	3
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>60/62</b>

<sup>1</sup> Choose any course at the 100-level to complete unrestricted electives, although you may need to use these credits to take a math course that prepares you for the required level of math in your program. If you begin Spanish at a higher level than SPA\* 101, you will receive additional unrestricted elective. You should also consider using unrestricted electives to begin work on completing a minor. Central Connecticut State University will require that you complete a minor be earning at least 18 credits in one area outside your major field; you must complete a least 9 of those minor credits at Central. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# BUSINESS AND MANAGEMENT ADMINISTRATION

## Associate in Science Degree

### 2020-2021

The Northwestern Business and Management Administration Program is committed to creating critical thinkers and principle-centered organizational architects. Business is about managing risk and change. Northwestern degree candidates face the rigors of a business education that focuses on combining traditional business modalities with creative simulation and communication technology to produce graduates who are consensus builders and leaders. As a business and management degree candidate the student will:

- Develop requisite knowledge in the building blocks of business: accounting, finance, human capital, economics, strategy, and communication.
- Gain an understanding of business in the global environment.
- Form effective working relationships with students and faculty in the areas of accounting, general business management, marketing and sales, and office management.

**Advisors:** Dr. David Rodgers, [drodgers@nwcc.edu](mailto:drodgers@nwcc.edu), 860-738-6387  
 Valerie Royals, [vroyals@nwcc.edu](mailto:vroyals@nwcc.edu), 860-738-6304  
 Stacey Williams, [swilliams@nwcc.edu](mailto:swilliams@nwcc.edu), 860-738-6427

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ACC* 113	Principles of Financial Accounting	3
ECN* 101	Principles of Macroeconomics	3
BBG* 115	Business Software Applications	3
MAT*	Mathematics Elective	3
<b>SEMESTER 2</b>		
COM* 173	Public Speaking	3
ACC* 117	Principles of Managerial Accounting	3
ECN* 102	Principles of Microeconomics	3
MAT* 167	Principles of Statistics	3
ELECTIVE	Behavioral Science Elective	3
<b>SEMESTER 3</b>		
BMK* 201	Principles of Marketing	3
BBG* 231	Business Law I OR	3
BBG* 234	Legal Environment of Business	
BMG* 202	Principles of Management	3
ELECTIVE	Natural/Physical Science Elective	3(4)
ELECTIVE	Humanities or Fine Arts Elective	3
<b>SEMESTER 4</b>		
BFN* 201	Principles of Finance	3
BMG* 220	Human Resources Management	3
BBG* 210	Business Communication	3
BBG* 294	Business Internship OR	3
ELECTIVE	Business Elective	
ELECTIVE	Liberal Arts Elective	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Apply a broad range of management concepts necessary to operate a business in today's changing environment.
2. Comprehend the risks and strategic moves management must take to assure success within today's dynamic global environment.
3. Assess value creation or value destruction through interpreting financial information.
4. Apply environmental scanning tools including S.W.O.T. analysis; Five Forces Analysis (Porter, 1979, 1985) and Degree of Complexity Matrix (Clifford & Cavanagh, 1988).
5. Comprehend the Six Best Practices of High Performing Winning Organizations, six big mistakes, and thirteen causes of business distress and failure.
6. Demonstrate the ability to communicate effectively both verbally and in writing.
7. Develop and apply critical decision-making techniques.
8. Develop and demonstrate the interpersonal, teamwork, and leadership skills needed to function in diverse business settings.
9. Understand principles of law as they apply to business organizations.
10. Apply the technology tools for making business decisions and achieving organizational goals.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# BUSINESS AND MANAGEMENT ADMINISTRATION

## MARKETING & SALES OPTION

### Associate in Science Degree

#### 2020-2021

The Northwestern Business and Management Administration Program is committed to creating critical thinkers and principle-centered organizational architects. Business is about managing risk and change. Northwestern degree candidates face the rigors of a business education that focuses on combining traditional business modalities with creative simulation and communication technology to produce graduates who are consensus builders and leaders. As a business and management degree candidate the student will:

- Develop requisite knowledge in the building blocks of business: accounting, finance, human capital, economics, strategy, and communication.
- Gain an understanding of business in the global environment.
- Form effective working relationships with students and faculty in the areas of accounting, general business management, marketing and sales, and office management.

**Advisors:** Dr. David Rodgers, [drodgers@nwcc.edu](mailto:drodgers@nwcc.edu), 860-738-6387  
 Valerie Royals, [vroyals@nwcc.edu](mailto:vroyals@nwcc.edu), 860-738-6304  
 Stacey Williams, [swilliams@nwcc.edu](mailto:swilliams@nwcc.edu), 860-738-6427

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ACC* 113	Principles of Financial Accounting	3
ECN* 101	Principles of Macroeconomics	3
BBG* 115	Business Software Applications	3
MAT*	Mathematics Elective	3
<b>SEMESTER 2</b>		
COM* 173	Public Speaking	3
ACC* 117	Principles of Managerial Accounting	3
ECN* 102	Principles of Microeconomics	3
MAT* 167	Principles of Statistics	3
ELECTIVE	Behavioral Science Elective	3
<b>SEMESTER 3</b>		
BMK* 201	Principles of Marketing	3
BMG* 202	Principles of Management	3
BBG* 231 BBG* 234	Business Law I OR Legal Environment of Business	3
ELECTIVE	Natural/Physical Science Elective	3(4)
ELECTIVE	Humanities or Fine Arts Elective	3
<b>SEMESTER 4</b>		
BMK* 140 BMK* 230	Retailing OR Advertising & Promotion	30
BMK* 220	Sales	3
BBG* 210	Business Communication	3
BBG* 294 ELECTIVE	Business Internship OR Business Elective	3
ELECTIVE	Liberal Arts Elective	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Know the risks and strategic moves required to successfully market products and services in today's global market.
2. Perform a "marketing audit".
3. Know the interrelationships between marketing and the entire business process in order to achieve the strategic goals of the organization.
4. Apply market research methodologies.
5. Apply the marketing mix and twelve principles of marketing.
6. Demonstrate well-developed customer service skills.
7. Communicate effectively both verbally and in writing.
8. Develop and demonstrate the interpersonal, teamwork, and leadership skills needed to function in diverse business settings.
9. Understand principles of law as they apply to business organizations.
10. Apply the technology tools for making business decisions and achieving organizational goals.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## BUSINESS MANAGEMENT Certificate 2020-2021

This certificate program prepares students for entry-level positions in business organizations. It may also be beneficial to those who are interested in job advancement, a career change, or becoming an entrepreneur. Additionally, this program may be valuable to students seeking basic business knowledge and skills in order to prepare for entry into a B.S. or MBA degree program. All courses are applicable to an Associate in Science degree program in Business and Management Administration.

**Advisors:** Dr. David Rodgers, [drodgers@nwcc.edu](mailto:drodgers@nwcc.edu), 860-738-6387  
Valerie Royals, [vroyals@nwcc.edu](mailto:vroyals@nwcc.edu), 860-738-6304  
Stacey Williams, [swilliams@nwcc.edu](mailto:swilliams@nwcc.edu), 860-738-6427

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ACC* 113</b>	Principles of Financial Accounting	3
<b>BBG* 210</b>	Business Communication	3
<b>BMG* 202</b>	Principles of Management	3
<b>BNK* 201</b>	Principles of Marketing	3
<b>SEMESTER 2</b>		
<b>ACC* 117</b>	Principles of Managerial Accounting	3
<b>BFN* 201</b>	Principles of Finance	3
<b>BMG* 220</b>	Human Resource Management	3
<b>ELECTIVE</b>	Directed Business Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>24</b>

<sup>1</sup> BBG\*, BES\*, BMG\*, BMK\* designated courses.

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Apply a broad range of management concepts necessary to operate a business in today's changing environment.
2. Comprehend the risks and strategic moves management must take to assure success within today's global market.
3. Demonstrate the ability to communicate effectively both verbally and in writing.
4. Develop leadership skills and critical decision making techniques.
5. Work competently in teams and individually.
6. Demonstrate appropriate human relations skills.

## MARKETING & SALES Certificate 2020-2021

This career program prepares students for entry-level positions in marketing, retailing, and sales. It may also be beneficial to those who are interested in job advancement or a career change.

**Advisors:** Dr. David Rodgers, [drodgers@nwcc.edu](mailto:drodgers@nwcc.edu), 860-738-6387  
Valerie Royals, [vroyals@nwcc.edu](mailto:vroyals@nwcc.edu), 860-738-6304  
Stacey Williams, [swilliams@nwcc.edu](mailto:swilliams@nwcc.edu), 860-738-6427

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ACC* 113</b>	Principles of Financial Accounting	3
<b>BMG* 202</b>	Principles of Management	3
<b>BMK* 201</b>	Principles of Marketing	3
<b>ELECTIVE</b>	Business Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>BBG* 210</b>	Business Communication	3
<b>BMK* 220</b>	Sales	3
<b>BMK* 140</b>	Retailing <b>OR</b>	3
<b>BMK* 230</b>	Advertising & Promotion	
<b>ELECTIVE</b>	Business Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>24</b>

<sup>1</sup> Electives selected in consultation with faculty advisor.

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Identify concepts necessary for success in marketing, retailing, advertising, and sales.
2. Know the risks and strategic moves required to effectively market products and services in today's global market.
3. Grasp the interrelationships between marketing and the entire business process in order to achieve overall strategic goals.
4. Demonstrate well-developed customer service skills and appropriate human relations skills.
5. Work competently in teams and individually.
6. Demonstrate the ability to communicate effectively verbally and in writing.

# COMPUTER BUSINESS APPLICATIONS

## Certificate

### 2020-2021

This certificate program is focused on preparing the student to apply computer applications such as word processing, spreadsheets, database, internet, e-mail, and presentation software to the solution of problems and have competency in office procedures. This program also prepares students for work responsibilities including researching and organizing information, preparing electronic communication and business correspondence, preparing electronic presentations and information and document processing.

**Advisors:** Dr. David Rodgers, [drodgers@nwcc.edu](mailto:drodgers@nwcc.edu), 860-738-6387  
 Valerie Royals, [vroyals@nwcc.edu](mailto:vroyals@nwcc.edu), 860-738-6304  
 Stacey Williams, [swilliams@nwcc.edu](mailto:swilliams@nwcc.edu), 860-738-6427

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>CSA* 105</b>	Introduction to Software Applications	3
<b>CST* 201</b>	Intro to Management Info. Systems	3
<b>BBG* 210</b>	Business Communications	3
<b>SEMESTER 2</b>		
<b>CSA* 135</b>	Spreadsheet Applications	3
<b>CSA* 205</b>	Advanced Applications	3
<b>CSC* 180</b>	Computer Ethics	3
<b>TOTAL CREDITS</b>		<b>18</b>

<sup>1</sup> See the Elective section of this catalog for a list of specific courses that fulfill Directed Elective requirements.

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate an understanding of general business uses of computers, the software used by the business community, and application development for general business computing functions.
2. Demonstrate expertise in skills to be able to use the Microsoft Office Suite software applications.
3. Demonstrate an understanding of the role and function of computers and effectively use the computer to solve problems.
4. Demonstrate an understanding of the fundamentals and concepts, commands, and syntax of word processing and presentation application software and preparation of documents for communication and data analysis.





# CSCU PATHWAY TRANSFER DEGREE: BUSINESS STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Business Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>.

**Advisors:** Dr. David Rodgers, [drodgers@nwcc.edu](mailto:drodgers@nwcc.edu), 860-738-6387  
 Valerie Royals, [vroyals@nwcc.edu](mailto:vroyals@nwcc.edu), 860-738-6304  
 Stacey Williams, [swilliams@nwcc.edu](mailto:swilliams@nwcc.edu), 860-738-6427

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ECN* 101	Principles of Macroeconomics <sup>1, 3</sup>	3
MAT* 167	Principles of Statistics <sup>1, 3</sup>	3
ACC* 113	Principles of Financial Accounting <sup>2, 3</sup>	3
ELECTIVE	Unrestricted Elective <sup>4</sup>	1
<b>SEMESTER 2</b>		
ECN* 102	Principles of Microeconomics <sup>1, 3</sup>	3
ACC* 117	Principles of Managerial Accounting <sup>2, 3</sup>	3
MAT* 254	Calculus I <sup>2, 3</sup>	4
SCRX	Scientific Reasoning <sup>^</sup>	3
HISX	Historical Knowledge & Understanding <sup>^</sup>	3
<b>SEMESTER 3</b>		
BBG* 210	Business Communication <sup>1</sup>	3
BMK* 201	Principles of Marketing <sup>2</sup>	3
WRIX	Written Communication II <sup>^</sup>	3
SCKX	Scientific Knowledge & Understanding <sup>^</sup>	4
SOCX	Social Phenomena I <sup>^</sup>	3
<b>SEMESTER 4</b>		
BBG* 231	Business Law I <sup>2</sup>	3
BMG* 202	Principles of Management <sup>2</sup>	3
BFN* 201	Principles of Finance <sup>2</sup>	3
CONX	Continued Learning & Info Literacy <sup>^</sup>	3
AESX	Aesthetic Dimensions <sup>^</sup>	3
<b>TOTAL CREDITS</b>		<b>60</b>

<sup>1</sup> All courses marked with a <sup>1</sup> must be completed with a C- or higher.

<sup>2</sup> All courses marked with a <sup>2</sup> must be completed with a C or higher.

<sup>3</sup> The 6 courses marked with a <sup>3</sup> must have a minimum cumulative GPA of 2.5.

<sup>4</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor be earning at least 18 credits in one area outside your major field. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

In order to graduate and be guaranteed admission to a State University or Charter Oak State College, you must earn an overall 2.0 grade point average. A minimum 2.50 grade point average is required for Central Connecticut State University.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# ALLIED HEALTH SCIENCE

## Certificate

### 2020-2021

This certificate program is recommended for students who may plan to pursue careers in nursing, dental hygiene and many other allied health programs.

#### Nursing Preparation:

Through careful academic advising, students gain a strong academic foundation as they complete nursing pre-requisites and liberal arts and science courses required in various Associate and Bachelor's degree RN programs in Connecticut and Massachusetts.

#### Other Allied Health Programs:

Many of the courses in the Allied Health Certificate program also prepare students to enter other allied health programs such as dental hygiene, medical assisting, physical therapist assistant, radiology technology, respiratory therapy, and others. Students must work with an advisor and consult specific program requirements to select the appropriate courses for each program.

**Completion of the certificate does NOT guarantee acceptance into a nursing or allied health program.**

**Advisor:** Jane O'Grady, [jogrady@nwcc.edu](mailto:jogrady@nwcc.edu), 860-738-6393

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>BIO* 127</b> <b>BIO* 121</b>	Cell Biology w/ Organ Systems <b>OR</b> General Biology	4
<b>ENG* 101</b>	Composition	3
<b>MAT* 137</b>	Intermediate Algebra	3
<b>SEMESTER 2</b>		
<b>CSA* 105</b>	Intro to Software Applications	3
<b>BIO* 211</b>	Anatomy & Physiology I	4
<b>CHE* 111</b>	Concepts of Chemistry	4
<b>SEMESTER 3</b>		
<b>BIO* 212</b>	Anatomy & Physiology II	4
<b>PSY* 111</b>	General Psychology	3
<b>TOTAL CREDITS</b>		<b>28</b>

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate understanding of the structure and function of the human body and how the structure and function of various systems are interrelated.
2. Demonstrate understanding of factors that promote health and disease.
3. Demonstrate the ability to write effectively.
4. Meet prerequisites for most regional nursing and other allied health programs.
5. Apply scientific method.
6. Demonstrate an understanding of the impact of psychological principles as they related to allied health.

# HEALTH INFORMATION MANAGEMENT

## Associate in Science Degree

### 2020-2021

The Health Information Management associate degree is designed for students interested in an Allied Health career that incorporates all aspects of healthcare information and the systems that drive it. The Health Information Management program provides students with an understanding of healthcare administration, information technology and the uses of healthcare data. It is designed to prepare students for entry-level positions dealing with billing and coding, health information management in physician's offices, hospitals, ambulatory care centers, health insurance companies, health departments, and other allied health venues. Health information technicians organize and manage health information data by ensuring its quality, accuracy, accessibility, and security utilizing paper and electronic systems. Job descriptions and duties vary with the size and type of facility in which they are employed. Health information management provides the skills and knowledge necessary to function effectively as an integral member of the healthcare team. The Health Information Management associate degree is a pathway to a Bachelor of Science in Health Information Management.

**Advisor:** Jane O'Grady, [jogrady@nwcc.edu](mailto:jogrady@nwcc.edu), 860-738-6393

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>CSA* 105</b>	Introduction to Software Applications	3
<b>HIM* 101</b>	Medical Terminology	3
<b>HIM* 102</b>	Introduction to Healthcare Systems	3
<b>ELECTIVE</b>	Directed Elective^ (MAT* 137 suggested)	3
<b>SEMESTER 2</b>		
<b>BIO* 110</b>	Principles of Human Body w/ lab	4
<b>HIM* 201</b>	Health Information Management Principles	3
<b>MED* 112</b>	Medical Insurance & Billing	3
<b>PHL* 112</b>	Medical Ethics	3
<b>MAT* 167</b>	Principles of Statistics	3
<b>SEMESTER 3</b>		
<b>COM* 173</b>	Public Speaking	3
<b>ENG* 102</b>	Literature & Composition	3
<b>MED* 250</b>	Principles of Pharmacology	3
<b>HIM* 210</b>	Medical Coding	3
<b>HIM* 155</b>	Fundamentals of Clinical Informatics & Electronic Medical Records	3
<b>SEMESTER 4</b>		
<b>HIM* 211</b>	Advanced Medical Coding	3
<b>PSY* 111</b>	General Psychology I	3
<b>ELECTIVE</b>	Directed Elective^ (HIM* 203 suggested)	3
<b>ELECTIVE</b>	Humanities or Fine Arts Elective	3
<b>ELECTIVE</b>	Social Science Elective	3
<b>TOTAL CREDITS</b>		<b>61</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Apply principles as they relate to healthcare privacy, confidentiality, legal and ethical issues.
2. Interpret and apply health information policies and procedures to ensure compliance with federal, state and accreditation agency requirements.
3. Employ computer-based health information systems while managing existing paper-based health information systems utilizing EMR software.
4. Compare and contrast reimbursement methodologies, procedure based payment systems such as Resource based Relative Value (RBRV) and Evaluation and Management and Ambulatory Payment Classification (APC).
5. Evaluate and audit patient records and assign numeric codes for each diagnosis and procedure.
6. Apply coding knowledge utilizing current ICD, CPT, and HCPCS coding guidelines.
7. Interpret diagnostic based perspective payment groups such as DRG; recognize the Systematized Nomenclature of Medicine (SNOMED).
8. Utilize medical coding and clinical classification systems as they relate to the human body and disease processes.
9. Utilize appropriate terminology including abbreviations related to pathological conditions, diagnostic procedures, surgical interventions, and therapeutic procedures.

^ Directed elective chosen from HIM\* MED\*, BMG\* BBG\*, CSA\*, CSC\*, ENG\*, MAT\*, BIO\*, HIS\* designated courses.

Students may take national certification exams for: Certified Billing and Coding Specialist, Certified Electronic Health Records Specialist, Certified Medical Administrative Assistant, Certified Professional coder-A

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# HEALTH INFORMATION & REIMBURSEMENT SPECIALIST

## Certificate

### 2020-2021

The Health Information and Reimbursement Specialist Certificate program is designed to prepare students for entry-level positions in health information and reimbursement management in physician's offices, hospitals, ambulatory care centers, health insurance companies, and other allied health venues. The healthcare industry is facing significant changes in how providers and insurers generate, maintain, and communicate documentation related to medical records, insurance, coding, and financial reimbursement. Specialized training in this field will provide graduates with the skills and knowledge necessary to function effectively as an integral member of the healthcare team and enhance career opportunities for those currently employed in related positions.

**Advisor:** Jane O' Grady, [jogrady@nwcc.edu](mailto:jogrady@nwcc.edu), 860-738-6393

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>HIM* 101</b>	Medical Terminology	3
<b>HIM* 102</b>	Intro to Healthcare Systems	3
<b>CSA* 105</b>	Introduction to Software Applications	3
<b>MED* 112</b>	Medical Insurance & Billing	3
<b>SEMESTER 2</b>		
<b>HIM* 155</b>	Fundamentals of Clinical Informatics and Electronic Medical Records	3
<b>HIM* 201</b>	Health Information Mgt. Principles	3
<b>HIM* 203</b>	Pathophysiology	3
<b>HIM* 210</b>	Coding I	3
<b>SEMESTER 3</b>		
<b>HIM* 211</b>	Advanced Medical Coding	3
<b>PHL* 112</b>	Medical Ethics	3
<b>TOTAL CREDITS</b>		<b>30</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate the ability to comprehend, apply and evaluate multiple sources of data relevant to the role of the health information and reimbursement specialist.
2. Utilize and compare reimbursement methodologies and procedure based payment systems.
3. Apply principles related to healthcare privacy, confidentiality, legal and ethical issues.
4. Use current Electronic Medical Record (EMR) software to manage provider reimbursement and patient health information.
5. Demonstrate the use of procedural and diagnostic coding references.
6. Identify and discuss healthcare delivery fundamentals.
7. Demonstrate effective verbal and written

## **MEDICAL ASSISTANT Associate in Science Degree 2020-2021**

The Medical Assisting Program at Northwestern provides students with a general education core complemented by focused medical assisting career courses in preparation for employment in the health care field. As multi-skilled practitioners, graduates will be eligible for employment in a variety of medical settings. The career positions available in this fast-growing, in-demand field include medical offices, hospitals, hospice care, laboratories, ambulatory care centers, health insurance companies, etc. The objective of this program is to provide the student the opportunity to acquire knowledge and skills in the classroom, the laboratory, and during field experience to prepare competent entry-level medical assistants.

Course requirements for each program are sequenced to begin with essential skills before moving on to the complex skill mastery demanded of medical assistants found in the laboratory, clinical, and administrative areas. Upon successful completion of course study, the student completes the program through a hands-on experience in the medical field (practicum/externship).

Upon satisfactory completion of the program, students have been prepared as competent entry-level medical assistants in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Students are eligible to sit for the National Certification Examination through the AMT-RMA or NHA-CCMA

Students in Allied Health Programs who earn credentials in multiple areas of expertise are in high demand among employers. By obtaining “stacked” credentials, you demonstrate a commitment to quality in the health care industry and increase your value to employers.

Allied Health, Health Information Management and Medical Assistant Students can stack credentials. You may qualify to take National Healthcare Association (NHA) exams to become a certified. Adding these nationally recognized specialty certificates offers additional job opportunities, makes for a well-rounded allied health professional and more marketable when you enter the workforce.

1. CPT - Certified Phlebotomy Technician
2. CET - Certified EKG Technician
3. CMAA - Certified Medical Administrative Assistant
4. CBCS - Certified Billing and Coding Specialist
5. CEHRS - Certified Electronic Health Records Specialist

### **For more information contact:**

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Professor and Allied Health Programs Coordinator  
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Winsted, CT 06098  
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Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# MEDICAL ASSISTANT

## Associate in Science Degree

### 2020-2021

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

**Note: A grade of 'C' (2.00) is required for all MED\* designated courses. Additionally, all MED\* and BIO\* designated courses must be completed within 5 years.**

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MED* 111</b>	Administrative Medical Assisting	3
<b>MED* 125</b>	Medical Terminology	3
<b>MED* 133</b>	Clinical Medical Assisting	4
<b>CSA* 105</b>	Introduction to Software Applications	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b> <b>COM*</b>	Literature & Composition <b>OR</b> Communication Elective	3
<b>MED* 112</b>	Medical Insurance & Billing	3
<b>MED* 242</b>	Clinical Laboratory Procedures & Practices II	4
<b>PHL* 112</b>	Medical Ethics	3
<b>MAT* 137</b>	Intermediate Algebra	3
<b>SEMESTER 3</b>		
<b>BIO* 110+L</b> <b>BIO* 127</b>	Principles of Human Body w/Lab <b>OR</b> Cell Biology with Organ Systems	4
<b>MED* 245</b>	Clinical Laboratory Procedures	4
<b>MED* 250</b>	Principles of Pharmacology	3
<b>MED* 250L</b>	Principles of Pharmacology Lab	1
<b>SEMESTER 4</b>		
<b>MED* 281</b>	Medical Assisting Externship <sup>1</sup>	4
<b>PSY* 111</b>	General Psychology I	3
<b>ELECTIVE</b>	Humanities or Fine Arts Elective	3
<b>ELECTIVE</b>	Social Science Elective	3
<b>ELECTIVE</b>	Directed Elective (HIM* 203 suggested)	3
<b>TOTAL CREDITS</b>		<b>60</b>

### Program Outcomes

In addition to General Education Outcomes, learners who complete the Medical Assisting degree will be able to:

1. Apply for a national medical assisting certification examination.
2. Perform all medical assisting skills at entry level competency.
3. Demonstrate and utilize the principles of medical asepsis and standard precautions, as well as other safety precautions.
4. Obtain and effectively chart all pertinent patient data.
5. Utilize and interpret medical terminology.
6. Demonstrate basic pharmacology, dosage calculations, and route for administration of medications.
7. Provide education to patients, families, and other care givers on various healthcare including preventative and treatment regimes.
8. Demonstrate a working knowledge of the human body including structure, function and basic pathology.
9. Demonstrate an understanding of appropriate and effective application of legal and ethical standards of practice.
10. Apply current medical insurance guidelines in patient care.
11. Communicate effectively with patients and other healthcare providers.
12. Competently function within and interdisciplinary healthcare team.

<sup>1</sup> All coursework for MED\*, BIO\* and PHL\* 112 must be completed prior to Externship. Students must have current Professional CPR and First Aid Certification during the entire externship experience. There is a mandatory pre-externship meeting in the semester prior to enrollment in MED\* 281. Offered only in the spring semester.

As part of the annual review, graduates of the Medical Assisting Associate Degree Program at Northwestern Connecticut Community College reported an average 100% graduate satisfaction rate, over the past five years.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## MEDICAL ASSISTING Certificate 2020-2021

This certificate program provides the necessary skills and knowledge to be employed as a medical assistant. All courses transfer to the Associate Degree program in medical assisting. Students should have basic typing and computer skills for this certificate.

**Advisor:** Jane O' Grady, [jogrady@nwcc.edu](mailto:jogrady@nwcc.edu), 860-738-6393

**Note:** A minimum grade of 'C' (2.00) is required for all MED\* designated courses. Additionally, all MED\* and BIO\* designated courses must be completed within 5 years.

Course #	Course Title	Cr.
<b>SEMESTER 1 – SPRING</b>		
<b>MED* 111</b>	Administrative Medical Assisting	3
<b>MED* 125</b>	Medical Terminology	3
<b>MED* 133</b>	Clinical Medical Assisting	4
<b>SEMESTER 2 – FALL</b>		
<b>MED* 112</b>	Medical Insurance & Billing	3
<b>MED* 245</b>	Clinical Laboratory Procedures & Practices	4
<b>MED* 250</b>	Principles of Pharmacology	3
<b>MED* 250L</b>	Principles of Pharmacology Lab	1
<b>PHL* 112</b>	Medical Ethics	3
<b>SEMESTER 3 – SPRING</b>		
<b>HIM* 203</b>	Pathophysiology	3
<b>MED* 242</b>	Clinical Lab Procedures/Practices II	4
<b>MED* 281</b>	Medical Assisting Externship <sup>1</sup>	4
<b>TOTAL CREDITS</b>		<b>35</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Perform all medical assisting skills at job entry level competency.
2. Obtain and effectively chart all pertinent patient data.
3. Demonstrate a working knowledge of the human body including structure, function, and basic pathology.
4. Demonstrate basic pharmacology dosage calculations and route for administration of medication.
5. Competently function within an interdisciplinary healthcare team.
6. Apply to take a national medical assisting certification exam.

<sup>1</sup> All coursework for MED\*, BIO\* and PHL\* 112 must be completed prior to Externship. Students must have current Professional CPR and First Aid Certification during the entire externship experience. There is a mandatory pre-externship meeting in the semester prior to enrollment in MED\* 281.



## **NURSING R.N. Associate in Science Degree 2020-2021**

Northwestern Connecticut Community College (NCCC) is the sixth community college to offer the **Connecticut Community College Nursing Program (CT-CCNP)**. The CT-CCNP is an innovative associate degree with common nursing programming and a four-semester curriculum designed to prepare registered nurses to function in the professional role utilizing current standards of nursing practice. In addition, students within the program have the same admission and policy standards, which allows for greater student flexibility. NCCC's nursing program is unique in that it offers students an accelerated 18 month course of study consisting of four consecutive semesters. Students are admitted in January and graduate in May of the following year. The curriculum is built upon courses from the social and biological sciences, liberal arts, and nursing. These courses provide the foundation for the practice of nursing. Six core values (critical thinking, safe and competent practice, caring, professionalism, communication, and holistic care) provide the framework for organizing the nursing curriculum.

### **Approval and Accreditation**

All six of the colleges (Capital, Gateway, Naugatuck Valley, Northwestern CT, Norwalk and Three Rivers) are individually approved by the Connecticut Board of Examiners for Nursing with the consent of the Commissioner of the Connecticut Department of Public Health and accredited by the Accreditation Commission for Education in Nursing, Inc.

ACEN  
3343 Peachtree Road NE, Suite 850  
Atlanta, GA 30326  
Phone: (404) 975-5000  
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Email: [info@acenursing.org](mailto:info@acenursing.org)  
Web: [www.acenursing.org](http://www.acenursing.org)

### **The Role of the Associate Degree Graduate within the Scope of Nursing Practice**

The Nursing Program will provide the graduate with the knowledge and technical skills to practice in a safe, effective and competent manner within the legal and ethical framework for an entry-level Registered Nurse.

The scope of practice for the Associate Degree graduate is to provide and manage care for a diverse group of individuals, families and communities in collaboration with members of the health care team consistent with the CT-CCNP core values. A graduate of the nursing program is awarded an Associate in Science degree and is eligible to take the National Council Licensing Examination for Registered Nurses (NCLEX-RN). Graduates can apply for licensure through the Connecticut Department of Public Health. The graduate is prepared to function as an entry-level practitioner in health care settings such as general or specialty hospitals, extended care facilities, doctors' offices, and clinics.

### **Colleges that Offer the CT-CCNP:**

#### **CAPITAL COMMUNITY COLLEGE**

Enrollment Services Office  
950 Main Street Attention: Nursing  
Hartford, CT 06103  
Phone: 860-906-5140  
[www.ccc.edu](http://www.ccc.edu)

#### **GATEWAY COMMUNITY COLLEGE**

Admissions Office - Long Wharf Campus  
60 Sargent Drive  
New Haven, CT 06511  
Phone: 203-285-2010  
[www.gwcc.edu](http://www.gwcc.edu)

#### **NAUGATUCK VALLEY COMMUNITY COLLEGE**

Admissions Office  
750 Chase Parkway  
Waterbury, CT 06708  
Phone: 203-575-8040  
[www.nvcc.edu](http://www.nvcc.edu)

#### **NORWALK COMMUNITY COLLEGE**

Admissions Office  
188 Richards Avenue  
Norwalk, CT 06854-1655  
Phone: 203-857-7060  
[www.ncc.edu](http://www.ncc.edu)

## NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

Nursing Admissions Office  
Park Place East  
Winsted, CT 06098  
Phone: 860-738-6356  
[www.nwcc.edu](http://www.nwcc.edu)

## THREE RIVERS COMMUNITY COLLEGE

Nursing Admissions Office  
574 New London Turnpike  
Norwich, CT 06360  
Phone: 860-892-5702  
[www.trcc.edu](http://www.trcc.edu)

### Advisement

Advisors/Counselors are available at each college to guide applicants through the admission process. All potential applicants seeking admission to the Connecticut Community College Nursing Program are encouraged to read through an information packet. After reading the packet, students should direct all questions to their College of First Choice. For a listing of primary contacts at each college as well as dates for Nursing Information Session at their College of First Choice go to [www.ct.edu/academics/nursing](http://www.ct.edu/academics/nursing).

### Application Process

The application period for the nursing program is November 1 - February 1 of each year. The nursing application is only available online and can be accessed through Banner Self Service. Applicants must have an eight-digit banner number (first eight digits of the NetID) in order to access the application. Applicants who do not have a banner number must first complete a general college application at their college of first choice and be accepted into that college before a banner number is issued. Advisors/Counselors are available at each college to guide applicants through the application process. Applicants to the CT-CCNP must complete the online nursing application and submit all required documentation to the Admissions Office at the College of Choice by the **February 1 deadline**.

Applicants seeking admission into the Connecticut Community College Nursing Program (CT-CCNP) must file a common nursing application at their college of choice by the February 1st deadline. The application is only available online through Banner Self Service.

Submit the following by the **February 1 deadline** date:

- General College application submitted to the college of choice (separate from the nursing program application).
- Online CT-CCNP application.
- Official high school transcripts or high school diploma indicating date of graduation, General Educational Development (GED) diploma, or State High School Equivalency diploma. If the applicant is using high school chemistry to satisfy the admission requirement, official high school transcripts are required.
- Official SAT I and/or ACT score reports, if applicable.
- Official College/University transcripts from ALL colleges ever attended (including all CT Community Colleges), regardless of the age of the transcripts and applicability to the nursing program\*\*.
- Official TEAS V results, if not taken at a CT Community College.
- Official AP, CLEP, DANTES & other military transcripts must be submitted if the applicant is using one of these tests to meet a specific admissions requirement.
- Proof of immunizations- consult with your college of first choice for current immunization requirements.

\*\* All transcripts must be final transcripts. Students taking courses in the fall or winter semester prior to applying must submit transcripts that include their fall & winter grades. All transcripts (including those with course withdrawals, course failures, and remedial/developmental courses) must be submitted regardless of the age of the transcripts and applicability to the nursing program. This includes any college credits earned while in high school.

Once your online application has been submitted, you will receive a confirmation email. Please note, all emails will be sent to your new community college email address. You can look up your new email address in myCommNet or using the NetID Lookup Utility at <http://www.ct.edu/netid>. Please be sure to have an updated mailing address and phone number in Self Service.

Notification regarding admission into the program is done through Self Service. No acceptance letters will be mailed.



Contact [ctccnpadmissions@ct.edu](mailto:ctccnpadmissions@ct.edu) if you have questions regarding the CT-CCNP application.

### Admission Requirements

- High School graduate or equivalent.
- SAT I Math score of 550 or higher; OR a score of 40 or higher on the College Level Math portion of the Accuplacer; OR Connecticut Community College MAT\*136 or 137, or equivalent or higher, with a grade of C or higher, completed prior to application deadline of February 1.
- One year of high school Chemistry with a lab or Connecticut Community College CHE\*111 or equivalent with a grade of C or higher, completed within five years prior+ to application deadline of February 1. Students who have taken chemistry previously may be able to earn Credit-by-Exam for CHE\* 111. Students should contact Admissions to make arrangement for an evaluation.
- Connecticut Community College ENG\*101: English Composition, or equivalent, with a grade of C or higher, completed prior to application deadline of February 1.
- Connecticut Community College BIO\*211: Anatomy and Physiology I, or equivalent, with a grade of C+ or higher, completed within five years prior+ to application deadline of February 1. Any student who feels that he/she has biology content knowledge equivalent to BIO\* 127 or BIO\* 121 should contact Admissions to make arrangements for an evaluation to waive the Biology prerequisite for this course.
- Connecticut Community College BIO\*212: Anatomy and Physiology II, or equivalent, with a grade of C+ or higher, completed within five years prior+ to application deadline of February 1 or completed during, but no later, than the spring semester of application year.
- 2.7 Nursing GPA - based only on the college courses with grades that meet the nursing admission and nursing program curriculum requirements. The Nursing GPA is a calculation specific to CT-CCNP applicants and may differ from your college GPA.
- TEAS V score. Applicants must have an adjusted individual total score of 53.3% or higher. Only TEAS V scores will be accepted and must be submitted by February 1.

+ “Five years prior” is defined as having completed the course between December 2014 and February 1, 2020 for the 2020-2021 admission cycle.

There may be prerequisite courses that must be successfully completed prior to taking the admission requirements. Please consult with the college catalog at the College of First Choice for specific information.

Students should complete the required Accuplacer computerized placement test. The placement test may be waived for students who have prior college English and/or mathematics credits, or for students who have the following SAT I scores: 550 or higher (Math), or 450 or higher (Critical Reading or Writing).

### ATI-TEAS Standardized Admission Test for Nursing

The TEAS is a multiple choice test that evaluates essential academic skills: math, science, reading, and English. It is recommended that applicants review biology, chemistry, and math content in preparation for taking the TEAS. The test will take approximately 3 ½ hours to complete. Testing fees are non-refundable. Applicants may not reschedule their test date.

Applicants must obtain an **adjusted individual total score of 53.3% or higher** on the **TEAS V** to be considered for admission. **The CT-CCNP only accepts TEAS V scores—no earlier versions of the TEAS will be accepted.** Test results are valid for three years from the testing date. Applicants may re-take the TEAS as many times as desired. The CT-CCNP will use the applicant's highest TEAS V score when determining eligibility. For testing schedules and registration information, go to [www.atitesting.com/ctccteam](http://www.atitesting.com/ctccteam). The TEAS Study Manual is available through [www.atitesting.com](http://www.atitesting.com).

### LPN Advanced Placement

The Connecticut Community Colleges Nursing Program participates in the Connecticut League for Nursing Articulation Model for LPNs. To be eligible for articulation, the LPN must:

- Hold a current Connecticut Licensed Practical Nurse license.
- Satisfy all the CT-CCNP admission requirements.
- Submit a CT-CCNP application and be admitted to the program (please note, the application process does not vary for LPN candidates).

- Once admitted, LPN candidates will be advised as to their placement within the CT-CCNP. For an LPN to be advance placed into the third semester, the following requirements must be met:
- Complete the required general education courses of the first year of the CT-CCNP with a grade of C or higher.
- Successfully complete the Connecticut LPN Transition Bridge Course at Charter Oak State College (COSC 190) and the college based CT-CCNP LPN transition course (NUR\* 132).

### External Transfer Nursing Applicants

An external nursing transfer applicant is defined as a student who has successfully completed one or more nursing courses within the last 18 months at a program outside of the Connecticut Community College system and wishes to transfer in these courses for advanced placement. Transfer students will be considered for transfer after a written evaluation of nursing course work has been received by the Nursing director at the **College of first choice**. Applicants must meet all nursing program admission requirements. Applicants can obtain transfer requirements from the **College of first choice**. Transfer students are admitted based upon a GPA of 3.00; ability to place applicant in the appropriate clinical section; and availability of openings, clinical resources, and faculty.

### Transfer Credits

Transfer credit evaluations for nursing applicants are done by the **College of first choice**. Twenty-five percent (25%) of the total credits applicable to the nursing degree must be granted by the college awarding the degree. No more than 30 credit hours of non-traditional credit may count towards the nursing degree. Non-traditional credit includes CLEP, DSST, Challenge Exams, LEP, DSST, Challenge Exams, Military Service Schools, and Assessment of Prior Learning. In accordance with transfer of credit guidelines set forth by the Board of Regents, courses which meet nursing program requirements will be accepted by the CT-CCNP. Once an applicant earns credit at the **College of first choice**, transfer credit for the same course from another college will not be granted.

### Credits Earned Outside the United States –

Transcripts need to be evaluated by the “Course By Course” option through the World Education Services

Inc., PO Box 745, Old Chelsea Station, New York, NY 10113 or another approved site and submitted to the **College of first choice**. Contact the **College of first choice** for additional information.

### Miscellaneous Information (For Accepted Nursing Students)

#### Basic Life Support (BLS) Certification

Students are required to provide documentation of current professional level certification in Basic Life Support for adult, child, and infant. Certification can only be earned through the **American Heart Association or the American Red Cross** and must remain current throughout the Program. Courses meeting this requirement are: The American Heart Association Basic Life Support (BLS) for Healthcare Providers OR the American Red Cross Basic Life Support (BLS) for Healthcare Providers. Failure to comply will result in exclusion from the clinical learning experience.

#### Clinical Sites

Clinical learning experiences are planned as an integral part of the nursing courses and are held at a variety of healthcare settings, such as hospitals, extended care facilities, and selected community health centers. Students are responsible for arranging their own transportation to and from assigned clinical sites. Clinical experiences may be assigned during daytime, evening, or weekend hours. Assignment of clinical sites is at the discretion of the nursing faculty. Clinical sites could be within an hour radius of the college, and may require a mandatory parking fee. If you cannot participate in clinical rotations at an assigned facility, you will not be able to complete the objectives of the course and of the program. Specific situations are reviewed by college personnel.

#### Criminal Background Checks, Toxicology Screening & Healthcare Professional/Practice/Licensure or Registry Restrictions

Due to clinical learning affiliate requirements, criminal background checks and toxicology (drug) screening may be required for all CT-CCNP students prior to participation in clinical experiences. Students must follow instructions for obtaining a background and/or toxicology screening at college of attendance. Students who are found guilty of having committed a felony/ misdemeanor and/or are found to have a positive toxicology screen may be prevented from participating in clinical experiences in accordance with clinical

learning facility policy. Results of student background checks and toxicology screening do not become part of the student's educational record, as defined by the Family Educational Rights and Privacy Act ("FERPA"). If a student cannot participate in a clinical rotation at an assigned facility, the student will not be able to complete the objectives of the course and of the program.

### **Felony Conviction**

At the time of application for RN licensure an applicant will be asked the following question by the Connecticut Department of Public Health: *"Have you ever been found guilty or convicted as a result of an act which constitutes a felony under the laws of this state, federal law or the laws of another jurisdiction and which, if committed within this state, would have constituted a felony under the laws of this state? If your answer is "yes", give full details, dates, etc. on a separate notarized statement and furnish a Certified Court Copy (with court seal affixed) of the original complaint, the answer, the judgment, the settlement, and/or the disposition."* The CT Department of Public Health reviews and makes all decisions regarding these cases.

### **Health Requirements**

**Immunization Requirements** - Students will receive a packet of information describing current college policies.

**CT-CCNP Health Assessment Form** – completed forms (which document specific requirements for the nursing program) must be on file in accordance with college policy.

### **Technical Standards for Safe & Competent Nursing Practice**

The Technical Standards reflect a sample of performance abilities and characteristics necessary to successfully complete the requirements of the nursing program; these standards are not admission requirements. The student is responsible for notifying the nursing director and the Disability Services Coordinator of conditions that may impact the student's ability to meet the Technical Standards. The technical standards can be found at <http://www.ct.edu/academics/nursing#docs>

### **Waiver of Licensure Guarantee**

Upon successful completion of the Associate of Science degree with a major in Nursing, the graduate is eligible to take the National Council of State Boards of Nursing Licensure Examination for Registered Nurse (NCLEX-RN). Graduation from the CT-CCNP does not guarantee licensure to practice nursing. Licensure requirements and procedures are the responsibility of the Connecticut Department of Public Health, State Board of Examiners for Nursing. Permission to take the NCLEX-RN examination is established by law and granted by the Connecticut State Board of Examiners for Nursing.

### **Program Cost**

Tuition and fees for the CT-CCNP students can be found at <http://www.ct.edu/admission/tuition>. Nursing students will incur additional fees including but not limited to a clinical fee <http://www.ct.edu/files/pdfs/CCC-FY20-Tuition-and-Fees-Extension-Fees.pdf>, the CT-CCNP Student Assessment Fee and the Nursing Media Fee <http://www.ct.edu/files/pdfs/CCC-FY20-Tier2Fees.pdf>. Additional expenses specific to the nursing program relate to essential requirements of the program such as clinical uniforms and supplies, health, immunization, toxicology screening, and background checks.

# NURSING R.N. Associate in Science Degree 2020-2021

## \*Program of Study

The following program of study reflects a full-time curriculum plan that students enrolled in the nursing program are required to complete for graduation. Many students make the decision to enroll in the nursing program on a part-time basis, taking the general education courses prior to the nursing courses. Non-nursing courses must be taken in the semester indicated in the plan of study below or may be taken earlier; nursing courses must be taken in the stated sequence.

**A minimum grade of 'C' is required for all co-requisite courses in the nursing plan of study, with the exception of BIO\* 211 and 212, which both require a C+.** Co-requisite courses must be satisfactorily completed before or during the semester in which they are scheduled in the curriculum. Students who fail to complete required co-requisite courses may be dismissed from the program.

Course #	Course Title	Cr.
<b>ADMISSIONS REQUIREMENTS<sup>^</sup></b>		
BIO* 211	Anatomy & Physiology I	4
ENG* 101	Composition	3
<b>PRE-REQUISITE REQUIREMENTS<sup>^</sup></b>		
BIO*212	Anatomy & Physiology II	4
<b>SEMESTER 1</b>		
NUR* 120	Nursing in Health & Illness I	9
BIO* 235	Microbiology	4
PSY* 111	General Psychology I	3
<b>SEMESTER 2</b>		
NUR* 125	Nursing in Health & Illness II	8
PSY* 201	Life Span Development	3
SOC* 101	Principles of Sociology	3
<b>SEMESTER 3</b>		
NUR* 220	Nursing in Health & Illness III	9
ENG* 102	Literature & Composition <b>OR</b>	3
ENG*	200-level English Elective	
<b>SEMESTER 4</b>		
NUR* 225	Nursing in Health & Illness IV	8
NUR* 226	Transition to Professional Nursing Practice	1
ELECTIVE	Humanities or Fine Arts	3
<b>TOTAL CREDITS</b>		<b>65</b>

<sup>^</sup> BIO\* 211 and ENG\* 101 must be completed prior to submitting an application; BIO\* 212 may be in progress and the applicant may be accepted pending successful completion with a grade of C+ or higher.

## Program Outcomes

While providing nursing care to individuals, families, groups, communities, and populations within the health care system, the nursing graduate:

1. Demonstrates communication strategies that promote accurate exchange of information, prevent and manage conflict, and establish and maintain therapeutic relationships.
2. Integrates evidence-based practice into clinical decision-making for the provision of patient-centered care.
3. Uses data and patient care technology to communicate, differentiate, and manage patient information to support clinical decision-making for optimal patient outcomes.
4. Integrates leadership and priority-setting skills into the management and coordination of safe, quality, patient-centered care.
5. Uses the nursing process to provide patient-centered care that is responsive to the patient's physiological, pharmacological, psychological, cultural, and sociological preferences, values, and needs.
6. Integrates integrity and accountability that upholds established regulatory, legal, and ethical principles into the cost effective, standard-based nursing care.
7. Uses quality improvement to promote the delivery of patient-centered care and to optimize patient outcomes.
8. Promotes a safe culture that minimizes the risk of harm to patients, self, and others at the work unit and health care system levels.
9. Analyzes the impact of the health care system on the provision of safe, quality patient-centered care at the level of the work unit.
10. Collaborates with the interprofessional health care team to manage and coordinate the provision of safe, quality, patient-centered care.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



## VETERINARY TECHNOLOGY Associate in Science Degree 2020-2021

The Associate Degree in this AVMA fully-accredited program will prepare students for immediate employment in veterinary offices, biological research facilities, drug and feed manufacturing companies, and in the animal production industry. The objective of this program is to provide the classroom, laboratory, and field experience that will prepare students to be job entry-level competent. After completing the Associate Degree program, eligible students may transfer to the College of Agriculture and Natural Resources at the University of Connecticut to major in either Animal Science or Pathobiology. The NCCC Veterinary Technology Program promotes graduate success through a combination of challenging studies, extensive on-site hands-on learning opportunities, affiliations with off-site veterinary clinics, and continued emphasis on the need for lifelong learning.

Certification of Veterinary Technicians in the State of Connecticut is voluntary. Individuals wishing to become certified must be graduates of an accredited Veterinary Technology Program and pass the Veterinary Technician National Examination.

**Advisors:** Adriane Cavanna, DVM, [acavanna@nwcc.edu](mailto:acavanna@nwcc.edu), 860-738-6485  
Katherine Smith, [ksmith1@nwcc.edu](mailto:ksmith1@nwcc.edu), 860-738-6490

### Program Admission Prerequisites:

BIO\* 121 – General Biology with a grade of 'C' or higher

CHE\* 111 – Concepts of Chemistry with a grade of 'C' or higher

*(Above courses must be college level courses and taken within 5 years prior to entering the program)*

MAT\* 137 – Intermediate Algebra or equivalent with a grade of 'C' or higher

### Other Requirements:

- Interview with full-time veterinary technology program faculty member
- For any VET\* course numbered 150 or higher (excluding VET\* 201 and VET\* 202), a health physical and rabies vaccination status form are required.
- Students must be capable of lifting a minimum of 50 lbs. and must be in overall good health.
- It is strongly recommended that applicants experience 20 hours or more at a veterinary practice.



## VETERINARY TECHNOLOGY Associate in Science Degree 2020-2021

**Note: A minimum grade of 'C' (2.00) is required in all VET\* designated courses. Additionally, all VET\* and BIO\* designated courses must be completed within 5 years of graduation.**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
VET* 125	Veterinary Medical Terminology	1
VET* 100	Introduction to Animal Care	2
VET* 101	Introduction to Veterinary Technology	3
VET* 201	Veterinary Anatomy & Physiology I	4
<b>SEMESTER 2</b>		
VET* 102	Vet Office Management & Communication	3
VET* 151	Small Animal Veterinary Technology	4
VET* 205	Veterinary Lab Procedures	3
VET* 202	Veterinary Anatomy & Physiology II	4
VET* 250	Principles of Pharmacology – Vet Tech	3
<b>SUMMER/INTERSESSION</b>		
PSY* 111	General Psychology I	3
VET* 280	Veterinary Technology Externship I	1
<b>SEMESTER 3</b>		
VET* 152	Large Animal Veterinary Technology	4
VET* 212	Principles of Imaging	1
VET* 230	Veterinary Anesthesia & Surgical Nursing (Lab and Lecture)	4
VET* 240	Periodontology & Oral Radiology	2
MAT*	Mathematics Elective	3
<b>SEMESTER 4</b>		
BIO* 235	Microbiology	4
VET* 220	Animal Pathology	3
VET* 238	Parasitology	3
VET* 281	Veterinary Technology Externship II	2
ELECTIVE	Social Science Elective	3
ELECTIVE	Humanities or Fine Arts Elective	3
<b>TOTAL CREDITS</b>		<b>66</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate a solid understanding of the wide variety of knowledge needed within the career, including anatomy and physiology, laboratory procedures, medical and surgical nursing skills, and clinical pathology.
2. Demonstrate the entry-level skills and the knowledge applicable for a wide variety of careers, including employment at veterinary clinics, zoos, wildlife rehabilitation centers, research facilities, pharmaceutical sales, as well as drug and feed manufacturing companies.
3. Sit for the Veterinary Technician National Examination.
4. Demonstrate analytical problem-solving and decision-making skills applicable to the role of the veterinary technician in the field of animal healthcare.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# CRIMINAL JUSTICE

## Associate in Science Degree

### 2020-2021

This program is designed to be a career-oriented program that provides students with the necessary knowledge to gain employment in the field of Criminal Justice. Program course work will allow an opportunity for students to transfer to a four-year institution. Students will participate in applied learning through in-class, hands-on assignments as well as practicum/fieldwork at Criminal Justice sites. With the aid of the required courses, our program students have been successful in finding employment in their chosen field.

**Program Coordinator:** Michael R. Emanuel, [memanuel@nwcc.edu](mailto:memanuel@nwcc.edu), 860-738-6389

**Note:** A grade of 'C' or higher is required in all CJS\* courses.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
CJS* 101	Introduction to Criminal Justice	3
PSY* 111	General Psychology I	3
COM* 173	Public Speaking	3
MAT*	Mathematics Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
CJS* 102	Introduction to Corrections	3
CJS* 120	Police & The Community	3
CJS*	Forensic Science / CJ Elective <sup>2</sup>	3
ELECTIVE	Natural/Physical Science Elective <sup>3</sup>	3 (4)
ELECTIVE	Social Science Elective <b>OR</b> Behavioral Science Elective <sup>4</sup>	3
<b>SEMESTER 3</b>		
CJS* 211	Criminal Law I	3
CJS* 220	Criminal Investigation	3
CJS* 250	Police Organization and Administration	3
CJS* 291	Criminal Justice Practicum	3
SOC* 101	Principles of Sociology	3
<b>SEMESTER 4</b>		<b>15</b>
CJS* 280	Victimology	3
CJS* 213	Evidence & Criminal Procedures	3
HIS* 201 HIS* 202 POL* 111	U.S. History I <b>OR</b> US History II <b>OR</b> American Government	3
ELECTIVE	Humanities or Fine Arts Elective <sup>5</sup>	3
ELECTIVE	Elective	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>



### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Explain and identify the structure and function of the criminal justice system.
2. Explain and identify the philosophy of community policing and its impact on the criminal justice system.
3. Explain and identify the challenges facing the correctional system.
4. Explain and identify elements of the U.S. Constitution as it relates to the criminal justice system.
5. Apply the basic concepts of criminal law.
6. Demonstrate the structure of a para-military organization and how it effects all employees and stakeholders within the criminal justice system.
7. Explain and identify sociological aspects of criminology and juvenile delinquency
8. Examine realistic incidents and cases through local internship opportunities.
9. Interpret criminal investigations through mock crime scenes and real-life scenarios.
10. Demonstrate an understanding of the past, present, and future trends in victimization, as well as restitution and compensation programs.
11. Transfer to 4-year colleges to further their education in criminal justice.
12. Apply for career opportunities on a state or local level.
13. Examine real world, cutting edge topics within criminal justice courses.

<sup>1</sup> MAT\* 137 – Intermediate Algebra recommended

<sup>2</sup> CJS\* 225 – Forensic Science recommended

<sup>3</sup> BIO\* 110 – Principles of Human Body w/lab & 110L recommended

<sup>4</sup> SOC\* 240 – Criminology **or** SOC\* 241 – Juvenile Delinquency recommended

<sup>5</sup> PHL\* 111 – Ethics recommended

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## CSCU PATHWAY TRANSFER DEGREE: CRIMINOLOGY STUDIES

### Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Criminology Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>.

**Advisor: Michael Emanuel, [memanuel@nwcc.edu](mailto:memanuel@nwcc.edu), 860-738-6389**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 167</b>	Principles of Statistics	3
<b>CJS* 101</b>	Introduction to Criminal Justice	3
<b>SOC* 101</b>	Principles of Sociology	3
<b>AESX</b>	Aesthetic Dimensions^	3
<b>SEMESTER 2</b>		
<b>CJS* 120</b>	Police & The Community	3
<b>CJS* 213</b>	Evidence and Criminal Procedure	3
<b>WRIX</b>	Written Communication II^	3
<b>SCRX</b>	Scientific Reasoning <sup>2</sup> ^	3(4)
<b>HISX</b>	Historical Knowledge & Understanding^	3
<b>SEMESTER 3</b>		
<b>CJS* 102</b>	Introduction to Corrections	3
<b>SOC* 240</b>	Criminology	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>2</sup> ^	3(4)
<b>CRTY</b> <b>GLKY</b>	General Education I - Creativity^ <b>OR</b> General Education II – Global Knowledge^	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>CJS* 211</b> <b>CJS* 220</b> <b>CJS* 225</b> <b>SOC* 241</b> <b>CJS* 298</b>	Criminal Law I <b>OR</b> Criminal Investigation <b>OR</b> Forensic Science <b>OR</b> Juvenile Delinquency <b>OR</b> Special Topics in Criminal Justice	3
<b>CONX</b>	Continued Learning & Info Literacy^	3
<b>PSY* 111</b>	General Psychology I	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>61/62</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor by earning at least 18 credits in one area outside your major field. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC; and one additional General Education requirement for ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# FORENSIC SCIENCE TRANSFER PATHWAY

## Associate in Science Degree – General Studies

### 2020-2021

The **Forensic Science Transfer Pathway** is NOT a program but a selection of courses for those students who wish to transfer into a forensic science program at a four-year institution. Upon completion of recommended science, criminal justice and general education courses, students in this pathway will receive an **Associate's Degree in General Studies**.

The forensic sciences form a vital part of the criminal justice system. Some of the difference divisions of forensic science have become identified primarily with law enforcement – an image enhanced by television and movies. This is misleading because forensic scientists are involved in all aspects of criminal cases. The forensic scientist's goal is the evenhanded use of all available information to determine facts, and subsequently, the truth.

The forensic scientist's role in the civil justice arena is expanding. Issues range from questions of the validity of a signature on a will, to a claim of product liability, to questions of whether a corporation is complying with environmental laws, and the protection of constitutionally guaranteed individual rights. Forensic science is a rewarding career where the love of science can be applied to the good of society, public health, and public safety.

**Program Coordinator:** Michael R. Emanuel, [memanuel@nwcc.edu](mailto:memanuel@nwcc.edu), 860-738-6389

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>CJS* 101</b>	Introduction to Criminal Justice	3
<b>BIO* 121</b>	General Biology I	4
<b>MAT* 186</b>	Precalculus	4
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>CJS* 225</b>	Forensic Science	3
<b>ELECTIVE</b>	Computer Science Elective	3
<b>ELECTIVE</b>	Social Science Elective	3
<b>BIO* 127</b>	Cell Biology with Organ Systems (or BIO* 115 if taken prior to Fall 2012) <b>OR</b>	4
<b>BIO* 235</b>	Microbiology	
<b>SEMESTER 3</b>		
<b>CJS* 211</b>	Criminal Law I	3
<b>CJS* 220</b>	Criminal Investigation	3
<b>COM* 173</b>	Public Speaking	3
<b>CHE* 121</b>	General Chemistry I	4
<b>PSY* 111</b>	General Psychology I	3
<b>SEMESTER 4</b>		
<b>CJS* 213</b>	Evidence & Criminal Procedures	3
<b>HIS* 102</b>	Western Civilization II	3
<b>PHL*</b>	Philosophy Elective <sup>1</sup>	3
<b>ART*</b>	Art Elective <sup>2</sup>	3
<b>CHE* 122</b>	General Chemistry II	4
<b>TOTAL CREDITS</b>		<b>62</b>

<sup>1</sup> PHL\* 111 (Ethics) recommended

<sup>2</sup> ART\* 101 (Art History I) or ART\* 102 (Art History II) recommended

**Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.**

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Understand and employ methods of processing physical evidence from crime scenes.
1. Promote comprehension of the importance of the forensic science laboratory and its role in law enforcement.
2. Create an awareness of the recognition, collection, preservation, and evaluation of physical evidence.
3. Expose students to the latest physical and chemical testing methods and show each method's value in varied situations.

## EARLY CHILDHOOD EDUCATION

### Associate in Science Degree

### 2020-2021

The Early Childhood Education program is a National Accredited Program from the National Association for the Education of Young Children (NAEYC), which prepares students for transfer to baccalaureate programs as well as for immediate employment in programs such as preschools, child care centers and Head Start. Students receive experiences by observing and teaching in a variety of early education environments. These experiences enable the student to implement the theory received in the college classroom in a practical hands-on setting.

**Advisor:** Michele Better, [mbetter@nwcc.edu](mailto:mbetter@nwcc.edu), 860-738-6305

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>ECE* 101</b>	Intro to Early Childhood Education	3
<b>ECE* 176</b>	Health, Safety & Nutrition	3
<b>PSY* 111</b>	General Psychology I	3
<b>MAT*</b>	Mathematics Elective ( <b>MAT* 137 or higher</b> )	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>ECE* 103</b> <b>ECE* 106</b>	Creative Experiences for Children <sup>1</sup> <b>OR</b> Music & Movement for Young Children <sup>1</sup>	3
<b>ECE* 222</b>	Methods & Techniques in ECE	3
<b>ECE* 231</b>	Early Language & Literacy Development	3
<b>COM* 173</b> <b>BBG* 210</b>	Public Speaking <b>OR</b> Business Communication	3
<b>SEMESTER 3</b>		
<b>ECE* 275</b>	Child, Family & School Relations	3
<b>ECE* 290</b>	Student Teaching I <sup>2</sup>	3
<b>ECE* 210</b>	Observation, Participation & Seminar	3
<b>ECE* 182</b>	Child Development	3
<b>ELECTIVE</b>	Natural/Physical Science Elective	3(4)
<b>SEMESTER 4</b>		
<b>PSY* 260</b>	Psychology of the Exceptional Child	3
<b>ECE* 109</b>	Science & Math for Children	3
<b>ECE* 291</b>	Student Teaching II <sup>2</sup>	3
<b>HIS*</b>	History Elective	3
<b>ELECTIVE</b>	Elective <sup>3</sup>	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

#### Program Outcomes

Upon successful completion of all program requirements (research-based NAEYC national standards), well-prepared early childhood graduates should know and be able to:

1. Promote and foster appropriate ongoing child development and learning.
2. Build family, staff and community collaborate relationships.
3. Observe, document and assess to support young children and their families.
4. Create and implement developmentally and culturally appropriate learning opportunities for young children in a variety of teaching/ learning environments.
5. Become an engaging, reflective, intentionally practicing professional who demonstrates skills for advocacy.

**A REQUIRED FIELD TRIP MAY BE PLANNED EACH SEMESTER.**

<sup>1</sup> Offered only in spring semester

<sup>2</sup> Consent of the Coordinator and a minimum 2.5 GPA in ECE\* courses are required to be eligible for student teaching.

<sup>3</sup> ECE\* 103, ECE\* 106, ECE\*141, ECE\* 182, ECE\* 206, and SOC\* 101 (SOC\* 101 needs to be taken for transfer) are suggested as electives. Other electives to meet the needs and desires of students are planned with the academic advisor

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## HOME CHILD CARE Certificate 2020-2021

This is a career program which aims to prepare students to work as child care providers in their own homes or in the child's home. All courses applicable to an Associate in Science degree program in Early Childhood Education.

**Advisor:** Michele Better, [mbetter@nwcc.edu](mailto:mbetter@nwcc.edu), 860-738-6305

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ECE* 101</b>	Intro to Early Childhood Education	3
<b>ECE* 141</b>	Infant/Toddler Growth & Development	3
<b>ECE* 275</b>	Child, Family & School Relations <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>ECE* 103</b>	Creative Experiences for Children <b>OR</b>	3
<b>ECE* 106</b>	Music & Movement for Young Children	
<b>ECE* 210</b>	Observation, Participation & Seminar	3
<b>TOTAL CREDITS</b>		<b>15</b>

### Program Outcomes

Upon successful completion of all program requirements (research-based NAEYC national standards), well-prepared early childhood graduates should know and be able to:

1. Identify and demonstrate knowledge of the early childhood field, through observing at an approved home child care placement site.
2. Demonstrate knowledge and use of building positive relationships and supportive interactions in a home child care setting.
3. Promote and foster appropriate child development skill sets in the home child care environment.
4. Identify and demonstrate observation skills in setting up a positive environment for children in a home child care setting.
5. Engage in continuous, collaborative learning to inform practice.
6. Engage in informal advocacy for children and the profession.
7. Identify and demonstrate knowledge of ethical standards and other professional guidelines.
8. Support and empower families and community through respectful, reciprocal relationships.
9. Utilize multiple observations as a tool for evaluating the overall care and education in a home child care setting.
10. Describe and apply the Connecticut State Department of Education Preschool Standards to ongoing assessment of young children.
11. Utilize objective observations and unbiased assessments as tools for effectively communicating with families and professionals.

# CSCU PATHWAY TRANSFER DEGREE: EARLY CHILDHOOD TEACHER CREDENTIAL STUDIES

## Associate in Science Degree 2020-2021

Below is the recommended course of study for the **Early Childhood Teacher Credential Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Michele Better, [mbetter@nwcc.edu](mailto:mbetter@nwcc.edu), 860-738-6305

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>ECE* 101</b>	Intro to Early Childhood Education	3
<b>PSY* 111</b>	General Psychology I	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>CONX</b>	Continued Learning & Info Literacy <sup>^</sup>	3
<b>SEMESTER 2</b>		
<b>ECE*</b>	Early Childhood Education Elective	3
<b>ECE*</b>	Early Childhood Education Elective	3
<b>PSY* 204</b>	Child & Adolescent Development	3
<b>PSY* 260</b>	Psychology of the Exceptional Child	3
<b>QUAX</b>	Quantitative Reasoning <sup>^</sup>	3
<b>SEMESTER 3</b>		
<b>ECE* 210</b>	Observation, Participation & Seminar	3
<b>ECE* 231</b>	Early Language & Literacy Development	3
<b>ECE* 290</b>	Student Teaching I <sup>1</sup>	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SCXK</b>	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
<b>SEMESTER 4</b>		
<b>ECE* 222</b>	Methods & Techniques in ECE	3
<b>ECE* 291</b>	Student Teaching II <sup>1</sup>	3
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>TOTAL CREDITS</b>		<b>60/62</b>

<sup>1</sup> Consent of the Coordinator and a minimum 2.5 GPA in ECE\* courses is required to be eligible for student teaching.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# EARLY CHILDHOOD EDUCATION TEACHING CAREERS TRANSFER PATHWAY

## Associate in Science Degree – Early Childhood Education 2020-2021

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in Early Childhood Education at a four-year college or university. For certification the State of Connecticut requires students to choose an area of concentration such as: English, History, Mathematics, Psychology, Science or Social Studies. Upon completing this pathway, students can receive an **Associate's Degree in Early Childhood Education**.

**Advisor: Michele Better, [mbetter@nwcc.edu](mailto:mbetter@nwcc.edu), 860-738-6305**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>ECE* 101</b>	Intro to Early Childhood Education	3
<b>ECE* 176</b>	Health, Safety & Nutrition	3
<b>PSY* 111</b>	General Psychology I	3
<b>MAT* 137</b>	Intermediate Algebra	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>ECE* 103</b> <b>ECE* 106</b>	Creative Experiences for Children <sup>1</sup> <b>OR</b> Music & Movement for Young Children <sup>1</sup>	3
<b>ECE* 222</b>	Methods & Techniques in ECE	3
<b>ECE* 231</b>	Early Language & Literacy Development	3
<b>COM* 173</b> <b>BBG* 210</b>	Public Speaking <b>OR</b> Business Communication	3
<b>SEMESTER 3</b>		
<b>ECE* 275</b>	Child, Family & School Relations	3
<b>ECE* 290</b>	Student Teaching I <sup>2</sup>	3
<b>ECE* 210</b>	Observation, Participation & Seminar	3
<b>ECE* 182</b>	Child Development	3
<b>ELECTIVE</b>	Natural/Physical Science Elective	3(4)
<b>SEMESTER 4</b>		
<b>PSY* 260</b>	Psychology of the Exceptional Child	3
<b>ECE* 109</b>	Science & Math for Children	3
<b>ECE* 291</b>	Student Teaching II <sup>2</sup>	3
<b>ELECTIVE</b>	Social Science Elective <sup>3</sup>	3
<b>ELECTIVE</b>	Elective <sup>4</sup>	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

### Program Outcomes

Upon successful completion of all program requirements (research-based NAEYC national standards), well-prepared early childhood graduates should know and be able to:

1. Promote and foster appropriate ongoing child development and learning.
2. Build family, staff and community collaborate relationships.
3. Observe, document and assess to support young children and their families.
4. Create and implement developmentally and culturally appropriate learning opportunities for young children in a variety of teaching/ learning environments.
5. Become an engaging, reflective, intentionally practicing professional who demonstrates skills for advocacy.

### Additional information for students wishing to become CT public school early childhood teachers:

In addition to completing the required courses, students will need to pass the PRAXIS I exam and must have proof of the required documented experience working with children. They will also need to meet the admissions requirements for the School of Education at the transfer institution; these vary from institution to institution.

<sup>1</sup> Offered only in the spring semester

<sup>2</sup> Consent of the Coordinator and a minimum 2.5 GPA in ECE courses are required to be eligible for student teaching

<sup>3</sup> HIS\* 201 recommended

<sup>4</sup> Elective should be chosen with your advisor

Students should be aware that most baccalaureate degree programs which offer certification in early childhood education require a total of 130 or more credits of study including at least one semester of full-time student teaching during your last year at the four-year institution.

**Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.**

# ELEMENTARY EDUCATION TEACHING CAREERS TRANSFER PATHWAY

## Associate in Science Degree – General Studies 2020-2021

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in Elementary Education at a four-year college or university. At the community college level, students will focus on completing their general education requirements and on completing the first two years of study in their chosen major. The State of Connecticut requires students to choose a major in a subject area such as: English, Science, Mathematics, History or Social Studies. Upon completing this pathway, students can receive an **Associate's Degree in General Studies**.

**Advisor:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
PSY* 111	General Psychology I	3
EAS* 102	Earth Science	3
MAT* 137	Intermediate Algebra	3
ELECTIVE	Humanities or Fine Arts Elective	3
<b>SEMESTER 2</b>		
ENG* 102	Literature & Composition	3
PSY* 201	Lifespan Development	3
ELECTIVE	Computer Science Elective	3
ELECTIVE	Social Science Elective	3
ELECTIVE	Directed Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
BIO* 110	Principles of the Human Body	3(4)
HIS* 201 HIS* 202	US History I OR US History II	3
ELECTIVE	Social Science Elective	3
ELECTIVE	Directed Elective <sup>1</sup>	3
ELECTIVE	Directed Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
COM* 173	Public Speaking	3
ELECTIVE	Directed Elective <sup>1</sup>	3
ELECTIVE	Directed Elective <sup>1</sup>	3
ELECTIVE	Directed Elective <sup>1</sup>	3
ELECTIVE	Directed Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

### Program Outcomes

In addition to meeting the outcomes for the General Studies Degree, students will also demonstrate:

1. An understanding of the developmental stages of childhood, adolescence, and adulthood.
2. An appreciation for history and historiography from the perspective of different cultural groups with attention to race, gender, ethnic and class issues.
3. Content knowledge in an area designated as an elementary education major.
4. Computer skills.

### Additional information for students wishing to become CT public school elementary education teachers:

In addition to completing the required courses, students will need to pass the PRAXIS I exam and must have 30 hours of documented experience working with children. They will also need to meet the admissions requirements for the School of Education at the transfer institution; these vary from institution to institution.

Students should be aware that most baccalaureate degree programs which offer certification in elementary education require a total of 130 or more credits of study including at least one semester of full-time student teaching during your last year at the four-year institution.

<sup>1</sup> Directed Electives in your subject area should be chosen with your advisor. No more than 15 credits in any one subject area count toward degree requirements.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# SECONDARY EDUCATION TEACHING CAREERS TRANSFER PATHWAY

## Associate in Science Degree – Liberal Arts & Science 2020-2021

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in Secondary Education at a four-year college or university. At the community college level, students will focus on completing their general education requirements and on completing the first two years of study in their chosen major. The State of Connecticut requires students to choose a major in a subject area such as: English, Science, Mathematics, History, Social Studies or Foreign Languages. Upon completing this pathway, students can receive an **Associate's Degree in Liberal Arts & Science**.

**Advisor:** Sharon Gusky, [sgusky@nwcc.commnet.edu](mailto:sgusky@nwcc.commnet.edu), 860-738-6395

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT*</b>	Mathematics Elective higher than MAT* 137 (MAT* 167 recommended)	3(4)
<b>ECN* GEO* POL*</b>	Economics Elective <b>OR</b> Geography Elective <b>OR</b> Political Science Elective	3
<b>ELECTIVE</b>	Art or Music Elective	3
<b>ELECTIVE</b>	Directed Humanities Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>COM* 173</b>	Public Speaking	3
<b>PSY* 111</b>	General Psychology I	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Directed Elective <sup>2</sup>	3
<b>SEMESTER 3</b>		
<b>PSY* 201</b>	Lifespan Development	3
<b>ELECTIVE</b>	Social Science Elective <sup>3</sup>	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>ELECTIVE</b>	Directed Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Directed Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>HIS* 201 HIS* 202</b>	US History I <b>OR</b> US History II	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Directed Elective <sup>2</sup>	3
<b>TOTAL CREDITS</b>		<b>62(63)</b>

### Program Outcomes

In addition to meeting the outcomes for the Liberal Arts and Sciences Degree, students will also demonstrate:

1. An understanding of the developmental stages of childhood, adolescence, and adulthood.
2. An understanding for history and historiography from the perspective of different cultural groups with attention to race, gender, ethnic and class issues.
3. Content knowledge in an area designated as a secondary education major.
4. Computer skills.

### Additional information for students wishing to become CT public school secondary education teachers:

In addition to completing the required courses, students will need to pass the PRAXIS I exam and must have 30 hours of documented experience working with children. They will also need to meet the admissions requirements for the School of Education at the transfer institution; these vary from institution to institution.

Students transferring to CCSU will need to complete a second math course or CSA\* 105 and CSA\* 135.

Students should be aware that most baccalaureate degree programs which offer certification in secondary education require a total of 130 or more credits of study including at least one semester of full-time student teaching during your last year at the four-year institution.

<sup>1</sup> Directed Humanities Elective: PHL\*, THR\*, Foreign Language (ASL\*, FRE\*, GER\*, and SPA\*), Literature (ENG\* 211, 213, 214, 221, 222, 229, 231, 232, 240, 260, 261, 266, 271, 294, and ENG\* 298 if its primary focus is literature).

<sup>2</sup> Directed Electives in your subject area should be chosen with your advisor.

<sup>3</sup> Economics or History recommended.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# CSCU PATHWAY TRANSFER DEGREE: GEOGRAPHY STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Geography Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Dr. Robert Beck, [rbeck@nwcc.edu](mailto:rbeck@nwcc.edu), 860-738-6386

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
GEO* 101	Introduction to Geography	3
HISX	Historical Knowledge & Understanding <sup>^</sup>	3
AESX	Aesthetic Dimensions <sup>^</sup>	3
ELECTIVE	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
GEO* 111	World Regional Geography	3
QUAX	Quantitative Reasoning <sup>^</sup>	3(4)
WRIX	Written Communication II <sup>^</sup>	3
SCRX	Scientific Reasoning <sup>2^</sup>	3(4)
ELECTIVE	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
SCKX	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
SOCX	Social Phenomena I <sup>^</sup>	3
CRTY	General Education I - Creativity <sup>^</sup>	3
ELECTIVE	Unrestricted Elective <sup>3</sup>	3
ELECTIVE	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
CONX	Continued Learning & Info Literacy <sup>^</sup>	3
ORAX	Oral Communication <sup>^</sup>	3
GLKY	General Education II – Global Knowledge <sup>^</sup>	3
ELECTIVE	Unrestricted Elective <sup>1</sup>	3
ELECTIVE	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>60/63</b>

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

<sup>1</sup> Use unrestricted elective credits to complete 9 credits in one subject area. 3-6 of those credits may also meet general education requirements. You should consider pursuing a minor subject area based upon your specific field of interest in geography. Some suggested disciplines include:

ANT\* - Anthropology  
 EAS\* - Earth Science  
 ECN\* - Economics  
 EVS\* - Environmental Science  
 GEO\* - Geography (CCSU)  
 GLG\* - Geology  
 HIS\* - History  
 MAT\* - Mathematics (statistics preferred)  
 POL\* - Political Science  
 CSA\*, CSC\*, CST\* - Computer Science

See your advisor for guidance on minor choices.

These courses are meant to complete 50% of the minor requirement in all of CCSU's specializations but can also be used to begin a minor or second major at CCSU. CCSU allows you to major *and* minor in Geography as long as your minor is in a different specialization from the major

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

<sup>3</sup> GEO\* 204 – Geography & Tourism Development is recommended if you are planning to pursue the Specialization in Tourism at CCSU. *(This course is not offered at NCCC. In order to complete it, you will need to take it at another institution. It is often offered online at other community colleges.)*



# CSCU PATHWAY TRANSFER DEGREE: HISTORY STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **History Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Todd Bryda, [tbryda@nwcc.commnet.edu](mailto:tbryda@nwcc.commnet.edu), 860-738-6302

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>HIS* 201</b>	U.S. History I	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>CONX</b>	Continued Learning & Info Literacy <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>HIS* 202</b>	U.S. History II	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>QUAX</b>	Quantitative Reasoning <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>CRTY</b>	General Education I - Creativity <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>HISX</b>	Historical Knowledge & Understanding <sup>3^</sup>	3
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>61/62</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor be earning at least 18 credits in one area outside your major field. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

<sup>3</sup> You cannot use U.S History I or U.S. History II to meet this requirement.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# HISTORY TRANSFER PATHWAY

## Associate in Art Degree – Liberal Arts & Science

### 2020-2021

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in History at a four-year college or university as well as to foster a better understanding and respect for the past.

**Advisor:** Todd Bryda, [tbryda@nwcc.commnet.edu](mailto:tbryda@nwcc.commnet.edu), 860-738-6302

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT*</b>	Mathematics Elective ( <b>MAT* 167 or higher</b> )	3(4)
<b>HIS* 101</b> <b>HIS* 102</b> <b>HIS* 201</b> <b>HIS* 202</b>	Western Civilization I <b>OR</b> Western Civilization II <b>OR</b> US History I <b>OR</b> US History II	3
<b>ELECTIVE</b>	Art or Music Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Elective	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>ELECTIVE</b>	Directed Humanities Elective <sup>2</sup>	3
<b>ELECTIVE</b>	Behavioral Science Elective	3
<b>ELECTIVE</b>	Elective	3
<b>HIS* 101</b> <b>HIS* 102</b> <b>HIS* 201</b> <b>HIS* 202</b>	Western Civilization I <b>OR</b> Western Civilization II <b>OR</b> US History I <b>OR</b> US History II	3
<b>SEMESTER 3</b>		
<b>ELECTIVE</b>	Foreign Language I Elective <sup>3</sup>	3
<b>ECN*</b> <b>GEO*</b> <b>POL*</b>	Economics Elective <b>OR</b> Geography Elective <b>OR</b> Political Science Elective	3
<b>HIS* 101</b> <b>HIS* 102</b> <b>HIS* 201</b> <b>HIS* 202</b>	Western Civilization I <b>OR</b> Western Civilization II <b>OR</b> US History I <b>OR</b> US History II	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>SEMESTER 4</b>		
<b>ELECTIVE</b>	Foreign Language II Elective <sup>3</sup>	3
<b>HIS*</b>	History Elective (HIS* 213 or higher)	3
<b>HIS*</b>	History Elective (HIS* 213 or higher)	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>TOTAL CREDITS</b>		<b>62(63)</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Understand and critically analyze primary and secondary historical sources.
2. Engage in informed critical debate on major historical issues.
3. Demonstrate knowledge of major historical events and related effects.

<sup>1</sup> Elective to be chosen in consultation with advisor.

<sup>2</sup> Directed Humanities Elective: PHL\*, THR\*, Foreign Language (ASL\*, FRE\*, GER\*, and SPA\*), Literature (ENG\* 211, 213, 214, 221, 222, 229, 231, 232, 240, 260, 261, 266, 271, 294, and ENG\* 298 if its primary focus is literature).

<sup>3</sup> Complete either SPA\* 101 & 102 **or** GER\* 101 & 102. The foreign language requirement will be waived for any student who has completed 3 years of a single foreign language in high school with a grade of 'C' or higher. If the language requirement is waived, 6 credits in liberal arts courses will be substituted

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# INTERPRETER TRAINING PROGRAM ASL/ENGLISH

## Associate in Science Degree

### 2020-2021

The Interpreter Training Program (ITP) is a program of study leading to an Associate in Science degree. The purpose of the program is to provide quality interpreter education in a multidisciplinary and interdisciplinary endeavor, focusing on preparing interpreters and transliterators of ASL and English. The professional career program is a comprehensive, sequenced, and integrated series of courses that is intended to provide students with the necessary techniques and skills required for professional work as interpreters. Graduates are encouraged to continue with their education, however, by transferring to baccalaureate degree programs. Students already possessing a college degree may transfer in applicable credits to satisfy the General Education Requirements. NCCC has the only post-secondary degree program in interpreter preparation in Connecticut. ITP graduates who also pass the RID written test satisfy the Connecticut State Statute to interpret in certain settings. Please reference State of CT Amendment LCO No. 4839, Section 68 for details.

**Advisor:** Dr. Sarah Bement, [sbement@nwcc.edu](mailto:sbement@nwcc.edu), 860-738-6382

**Program Prerequisites:** To learn effectively to interpret between two languages, one must already be fluent in both languages and have a working knowledge of the two cultures she or he will mediate. Therefore, entrance to the program requires fluency in American Sign Language (usually the equivalent of 2-3 semesters) as evidenced by a screening tool. All students must have this evaluation before registering for ASL\* 201 and the interpreting courses. Contact Dr. Bement to schedule an evaluation prior to registering.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ASL* 201	American Sign Language III	3
ASL* 205	Linguistics of American Sign Language	3
INT* 103	Pre-Interpreting Skills	3
DSC* 110	Orientation to Deafness	3
<b>SEMESTER 2</b>		
ENG* 102 BBG* 210	Literature & Composition <b>OR</b> Business Communication	3
ASL* 202	American Sign Language IV	3
ASL* 206	Advanced ASL for Interpreters	4
INT* 121	Professional Standards in Interpreting	3
DSC* 114	Deaf Culture & Deaf People I	3
<b>SEMESTER 3</b>		
INT* 213	Interpreting I Consecutive	4
INT* 214	Sign to Voice	3
INT* 234	Educational Interpreting w/ Specialized Populations	3
PSY* 111	General Psychology I	3
ELECTIVE	Natural/Physical Science Elective	3(4)
<b>SEMESTER 4</b>		
INT* 215	Interpreting II Simultaneous	4
INT* 242	Interpreting Practicum and Seminar	4
MAT*	Mathematics Elective (MAT* 137 or higher)	3
ELECTIVE	Social Science Elective	3
<b>TOTAL CREDITS</b>		<b>61(62)</b>

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Interpret meaning by striving to achieve dynamic equivalence of a message.
2. Communicate bilingually using English and American Sign Language.
3. Act biculturally, having sensitivity to and awareness of American Deaf culture.
4. Act ethically in applying the underlying principles of the RID Code of Professional Conduct.
5. Use appropriate business skills.
6. Educate others with information on Deaf culture and available resources.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## DEAF STUDIES Certificate 2020-2021

The Deaf Studies Certificate program will help students gain an in-depth understanding of the Deaf Community as well as understanding of bilingual and bicultural issues, especially those with a B.A degree or higher. This certificate can be taken in conjunction with a degree program. See Dr. Bement to determine a suitable degree program to meet your educational goals.

**Advisor:** Dr. Sarah Bement, [sbement@nwcc.edu](mailto:sbement@nwcc.edu), 860-738-6382

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ASL* 101</b>	American Sign Language I	3
<b>DSC* 110</b>	Orientation to Deafness	3
<b>SEMESTER 2</b>		
<b>ASL* 102</b>	American Sign Language II	3
<b>DSC* 114</b>	Intro to Deaf People & Deaf Culture I	3
<b>SEMESTER 3</b>		
<b>ASL* 201</b>	American Sign Language III	3
<b>ASL* 205</b>	Linguistics of ASL	3
<b>DSC* 101</b>	Visual Gestural Communications	3
<b>SEMESTER 4</b>		
<b>ASL* 202</b>	American Sign Language IV	3
<b>DSC* 219</b>	ASL Literature	3
<b>DSC* 222</b>	Field Experience in Deaf Studies	3
<b>TOTAL CREDITS</b>		<b>30</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Communicate at an advanced level using American Sign Language.
2. Demonstrate an in-depth understanding of and sensitivity to American Deaf culture.
3. Describe the major characteristics of ASL literature and storytelling.
4. Understand the linguistic aspects of American Sign Language.
5. Educate others with information on deafness and available resources.

### CAREER OPPORTUNITIES:

- Teacher's Aide
- Residential program counselors
- Job coaches
- Communication specialist
- Deaf community advocate
- Paraprofessional with the Deaf



# CSCU PATHWAY TRANSFER DEGREE: POLITICAL SCIENCE STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Political Science Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Todd Bryda, [tbryda@nwcc.commnet.edu](mailto:tbryda@nwcc.commnet.edu), 860-738-6302

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>QUAX</b>	Quantitative Reasoning <sup>^</sup>	3
<b>POL* 111</b>	American Government	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>POL*</b>	Political Science Elective	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>POL*</b>	Political Science Elective	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>CRTY</b>	General Education I - Creativity <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>CONX</b>	Continued Learning & Info. Literacy <sup>^</sup>	3
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>61(62)</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor be earning at least 18 credits in one area outside your major field. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## CSCU PATHWAY TRANSFER DEGREE: PSYCHOLOGY STUDIES

### Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Psychology Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Dr. Robert Beck, [rbeck@nwcc.edu](mailto:rbeck@nwcc.edu), 860-738-6386

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 167</b>	Principles of Statistics	3
<b>PSY* 111</b>	General Psychology I	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>PSY* 201</b> <b>PSY* 204</b>	Life Span Development <b>OR</b> Child and Adolescent Development	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>PSY* 245</b>	Abnormal Psychology	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>^</sup>	3(4)
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>CRTY</b>	General Education I - Creativity <sup>^</sup> (Choose in consultation with your advisor)	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>CONX</b>	Continued Learning & Info. Literacy <sup>^</sup>	3
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup> (Choose in consultation with your advisor)	3
<b>PSY* 240</b> <b>PSY* 243</b> <b>PSY* 247</b>	Social Psychology <sup>3</sup> <b>OR</b> Theories of Personality <b>OR</b> Industrial & Organizational Psychology <sup>3</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>60/62</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for your programs or begin work on completing a minor. Central Connecticut State University will require that you complete a minor by earning at least 18 credits in one area outside your major field; you must complete a least 9 of those minor credits at Central. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

<sup>3</sup> These courses are not offered at NCCC. In order to complete this degree, the student will have to take at least one additional psychology course online or at another institution.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# PSYCHOLOGY TRANSFER PATHWAY

## Associate in Art Degree – Liberal Arts & Science

### 2020-2021

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in Psychology at a four-year college or university as well as to foster a broad understanding of the field.

**Advisor:** Dr. Robert Beck, [rbeck@nwcc.edu](mailto:rbeck@nwcc.edu), 860-738-6386

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT*</b>	Mathematics Elective higher than MAT* 137 (MAT* 167 recommended)	3
<b>PSY* 111</b>	General Psychology I	3
<b>HIS* 101</b> <b>HIS* 102</b> <b>HIS* 201</b> <b>HIS* 202</b>	Western Civilization I <b>OR</b> Western Civilization II <b>OR</b> US History I <b>OR</b> US History II	3
<b>ELECTIVE</b>	Art or Music Elective	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>PSY* 112</b>	General Psychology II	3
<b>SOC* 101</b>	Principles of Sociology	3
<b>PHL*</b>	Philosophy Elective	3
<b>ELECTIVE</b>	Liberal Arts Elective	3
<b>SEMESTER 3</b>		
<b>ELECTIVE</b>	Foreign Language I Elective <sup>1</sup>	3
<b>ECN*</b> <b>GEO*</b> <b>POL*</b>	Economics Elective <b>OR</b> Geography Elective <b>OR</b> Political Science Elective	3
<b>PSY*</b>	Psychology Elective	3
<b>ELECTIVE</b>	Elective <sup>2</sup>	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>SEMESTER 4</b>		
<b>ELECTIVE</b>	Foreign Language II Elective <sup>1</sup>	3
<b>PSY*</b>	Psychology Elective	3
<b>PSY*</b>	Psychology Elective	3
<b>ELECTIVE</b>	Natural/Physical Lab Science Elective	4
<b>ELECTIVE</b>	Elective	3
<b>TOTAL CREDITS</b>		<b>62</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Identify the differences between explanatory and descriptive research methods.
2. Demonstrate knowledge of a number of descriptive research techniques.
3. Discuss and apply major concepts from a wide cross-section of the field; particularly research methods, physiology, memory, development and learning.
4. Identify the three major domains addressed in developmental psychology (cognitive, physical and socio-emotional) and present concepts germane to each domain.
5. Identify and articulate major concepts, issues, controversies, and competing theoretical perspectives pertinent to the psychology courses taken at the college.
6. Calculate measures of central tendency (mean, median, mode, midrange), and measures of variation (range, variance, standard deviation).

<sup>1</sup> The language requirement will be waived for any student who has completed 3 years of a single foreign language in high school with a grade of 'C' or better. If the language requirement is waived, 6 credits in liberal arts courses will be substituted.

<sup>2</sup> PHL\* 112 Medical Ethics or HSE\* 235 Professional & Ethical Issues in Human Services are recommended.

**Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.**

# CSCU PATHWAY TRANSFER DEGREE: SOCIAL WORK STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Social Work Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances, you will be able to choose the specific course you will take from within a category.

^For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>.

**Advisor: Dr. Charles Kelly, [ckelly@nwcc.edu](mailto:ckelly@nwcc.edu), 860-738-6353**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 167</b>	Principles of Statistics	3
<b>HSE* 101</b>	Introduction to Human Services	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>SOC* 101</b>	Principles of Sociology	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>BIO* 110+L</b>	The Human Body with Lab	4
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>POL* 111</b>	American Government	3
<b>SEMESTER 3</b>		
<b>SOC* 201</b>	Contemporary Social Issues	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>^</sup>	3(4)
<b>ANT* 105</b> <b>ANT* 205</b>	Cultural Anthropology <sup>2</sup> <b>OR</b> Cultural Anthropology <sup>2</sup>	3
<b>CRTY</b>	General Education I - Creativity <sup>^</sup>	3
<b>PSY* 111</b>	General Psychology I	3
<b>SEMESTER 4</b>		
<b>HSE* 281</b> <b>POL* 122</b> <b>SOC* 104</b>	(Choose 1 or 2 of these courses) Human Services Field Work I <b>OR</b> The Politics of Social Welfare <b>OR</b> Sociology of the Family	3-6
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup> (If you took 2 of the above courses then only 3 credits are required)	3-6
<b>CONX</b>	Continued Learning & Info Literacy <sup>^</sup>	3
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup>	3
<b>TOTAL CREDITS</b>		<b>61/62</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor by earning at least 18 credits in one area outside your major field. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> These courses are not offered at NCCC. In order to complete this degree, the student will have to take this course online or at another institution.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# CSCU PATHWAY TRANSFER DEGREE: SOCIOLOGY STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Sociology Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor: Dr. Charles Kelly, [ckelly@nwcc.edu](mailto:ckelly@nwcc.edu), 860-738-6353**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>SOC* 101</b>	Principles of Sociology	3
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>SOC*</b>	Sociology Elective <sup>3</sup>	3
<b>QUAX</b>	Quantitative Reasoning <sup>^</sup> (CCSU recommends MAT* 167)	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SCRX</b>	Scientific Reasoning <sup>2^</sup>	3(4)
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>SOC*</b>	Sociology Elective <sup>3</sup>	3
<b>SCKX</b>	Scientific Knowledge & Understanding <sup>2^</sup>	3(4)
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>CRTY</b>	General Education I - Creativity <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>SOC*</b>	Sociology Elective <sup>3</sup>	3
<b>CONX</b>	Continued Learning & Info Literacy <sup>^</sup>	3
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>GLKY</b>	General Education II – Global Knowledge <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>60/62</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor be earning at least 18 credits in one area outside your major field; you must complete a least 9 of those minor credits at Central. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> You must complete one science course that includes a lab. It can be in either science category (SCRX or SCKX).

<sup>3</sup> You may take any SOC\* courses for these electives, but two of them must be at the 200-level.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# CSCU PATHWAY TRANSFER DEGREE: BIOCHEMISTRY STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Biochemistry Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Doug Mooney, [dmooney@nwcc.edu](mailto:dmooney@nwcc.edu), 860-738-6401.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 186</b>	Pre-Calculus I	4
<b>BIO* 121</b>	General Biology I	4
<b>CHE* 121</b>	General Chemistry I	4
<b>SEMESTER 2</b>		
<b>CHE* 122</b>	General Chemistry II	4
<b>MAT* C254</b>	Calculus I	4
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SEMESTER 3</b>		
<b>CHE* 211</b>	Organic Chemistry I <sup>2</sup>	4
<b>PHY* 221</b>	Calculus-Based Physics I	4
<b>BIO* 235</b>	Microbiology	4
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>SEMESTER 4</b>		
<b>CHE* 212</b>	Organic Chemistry II <sup>2</sup>	4
<b>CONX</b>	Continued Learning/Information Literacy <sup>^</sup>	3
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>ORAX</b>	Oral Communication <sup>^</sup>	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>60</b>

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

<sup>1</sup> BIO\* 122 – General Biology II or PHY\* 222 – Calculus-Based Physics II recommended for this open elective with the following considerations:

- PHY\* 222 is required at CCSU, ECSU, WCSU
- BIO\* 122 is required at WCSU

If you complete both sequences at the community college and transfer to WCSU, both sequences will be accepted at WCSU and you will have 4 fewer credits to complete at WCSU after transfer. If you know you are transferring to SCSU, you may decide not to use this open elective for PHY II or BIO II. Also see the additional note about open electives below.

You are free to choose any courses at or above 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements at Central, Eastern and Western Connecticut State Universities or to begin work on completing a minor. Central Connecticut State University does not require that you complete a minor with this major. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC—but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> NCCC does not offer these courses, so in order to complete this degree, you will have to take them at another institution.

# CSCU PATHWAY TRANSFER DEGREE: BIOLOGY STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Biology Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester.

^You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 186</b>	Pre-Calculus I	4
<b>BIO* 121</b>	General Biology I	4
<b>CHE* 121</b>	General Chemistry I	4
<b>SEMESTER 2</b>		
<b>BIO* 122</b>	General Biology II	4
<b>CHE* 122</b>	General Chemistry II	4
<b>AESX</b>	Aesthetic Dimensions <sup>^</sup>	3
<b>WRIX</b>	Written Communication II <sup>^</sup>	3
<b>SEMESTER 3</b>		
<b>BIO* 235</b> <b>BIO* 270</b> <b>BIO* 211</b>	Microbiology <b>OR</b> Ecology <sup>1</sup> <b>OR</b> Anatomy & Physiology I	4
<b>PHY* 121</b>	General Physics I	4
<b>SOCX</b>	Social Phenomena I <sup>^</sup>	3
<b>MAT* 254</b> <b>CRTY</b> <b>GLKY</b>	Calculus I <b>OR</b> General Education I – Creativity <sup>^</sup> <b>OR</b> General Education II – Global Knowledge <sup>^</sup>	3(4)
<b>SEMESTER 4</b>		
<b>BIO* 235</b> <b>BIO* 212</b> <b>BIO* 263</b>	(Choose one not already taken) Microbiology <b>OR</b> Anatomy & Physiology II <b>OR</b> Molecular Genetics	4
<b>PHY* 122</b>	General Physics II	4
<b>SOPX</b>	Social Phenomena II <sup>^</sup>	3
<b>HISX</b>	Historical Knowledge & Understanding <sup>^</sup>	3
<b>CONX</b>	Continued Learning/Information Literacy <sup>^</sup>	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

<sup>1</sup> BIO\* 270 – Ecology has a prerequisite of MAT\* 167 - Statistics

In addition to meeting the general education TAP competencies, students completing this degree will meet the following outcomes and competencies:  
**Outcomes: Students completing the CSCU Biology Pathway and earning an Associate's Degree will be able to identify:**

1. the mechanism by which the diversity of life evolved over time.
2. the basic units of structure that define the function of all living things.
3. how information is stored and exchanged, within and among organisms.
4. how living things transform energy and matter.
5. how living systems are interconnected and interacting.

**Competencies: Student completing the CSCU Biology Pathway and earning an Associate's Degree will be able to:**

1. Apply the process of science
2. Use quantitative reasoning
3. Use modeling and simulation to describe living systems
4. Apply concepts and knowledge from within and outside of biology in order to interpret biological phenomena
5. Communicate biological concepts and interpretations
6. Discuss the relationship between Science and Society

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# BIOSCIENCE TRANSFER PATHWAY

## Associate in Science Degree – Liberal Arts & Science

### 2020-2021

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in Biology, BioMolecular Sciences or Biochemistry at a four-year college or university as well as for entry-level laboratory technician positions. Students who earn an associate's degree in Liberal Arts & Sciences through the Biology Pathway will be able to:

- Transfer into a bachelor's degree program in biology, molecular biology and biotechnology.
- Transfer into pre-professional programs such as pre-vet or pre-med.
- Transfer into a bachelor's degree in medical laboratory sciences such as cytology and histology.
- Transfer into a secondary biology education program.
- Pursue careers as laboratory technicians in academic or industrial settings.

Contact **Sharon Gusky**, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395, Biology Faculty Advisor for more details on career and transfer options.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 186</b>	Precalculus	4
<b>ECN*</b> <b>GEO*</b> <b>POL*</b>	Economics Elective <b>OR</b> Geography Elective <b>OR</b> Political Science Elective	3
<b>CHE* 121</b>	General Chemistry I	4
<b>BIO* 121</b>	General Biology I	4
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>BIO* 122</b> <b>BIO* 235</b>	General Biology II <b>OR</b> Microbiology	4
<b>CHE* 122</b>	General Chemistry II	4
<b>ELECTIVE</b>	Behavioral Science Elective	3
<b>ELECTIVE</b>	Fine Arts Elective	3
<b>SEMESTER 3</b>		
<b>MAT* 254</b>	Calculus I	4
<b>BIO*</b>	Biology Elective (200 level)	4
<b>HIS* 101</b> <b>HIS* 102</b> <b>HIS* 201</b> <b>HIS* 202</b>	Western Civilization I <b>OR</b> Western Civilization II <b>OR</b> US History I <b>OR</b> US History II	3
<b>PHY* 121</b>	General Physics I	4
<b>SEMESTER 4</b>		
<b>ELECTIVE</b>	Liberal Arts or General Elective	1-3
<b>ELECTIVE</b>	Directed Humanities Elective^	3
<b>PHY* 122</b>	General Physics II	4
<b>BIO* 235</b> <b>BIO* 122</b>	Microbiology <b>OR</b> General Biology II	4
<b>TOTAL CREDITS</b>		<b>62(64)</b>

**^Directed Humanities Elective:** PHL\*, THR\*, Foreign Language (ASL\*, FRE\*, GER\*, and SPA\*), Literature (ENG\* 211, 213, 214, 221, 222, 229, 231, 232, 240, 260, 261, 266, 271, 294, and ENG\* 298 if its primary focus is literature).

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

### Program Outcomes

In addition to meeting the Liberal Arts and Sciences outcomes, graduates should be able to:

1. Demonstrate basic laboratory skills and working knowledge of safety procedures.
2. Understand and be able to apply the scientific method of inquiry.
3. Demonstrate a basic understanding of experimental design and analysis.
4. Explain basic cellular and organism principles.
5. Demonstrate an understanding of basic chemical concepts.
6. Perform biotechnology techniques including:
  - Gel electrophoresis
  - Restriction digests
  - Bacterial transformation
  - Polymerase Chain Reaction
  - DNA fingerprinting.
7. Use a light microscope to view and interpret slides.
8. Properly prepare slides for microbiological examination.
9. Perform simple and differential staining techniques including Gram stains.
10. Demonstrate aseptic techniques for the handling of microorganisms and instruments, including:
  - Sterilization and maintenance of sterile transfer instruments
  - Perform aseptic transfer
  - Obtain samples.
11. Use appropriate microbes in a sample using serial dilution techniques.
12. Estimate the number of microbes in a sample using serial dilution techniques.
13. Use standard microbiology laboratory equipment correctly.
14. Perform and analyze immunological tests.



# CSCU PATHWAY TRANSFER DEGREE: CHEMISTRY STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Chemistry Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Douglas Mooney, [dmooney@nwcc.edu](mailto:dmooney@nwcc.edu), 860-738-6401.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 254</b>	Calculus I	4
<b>CHE* 121</b>	General Chemistry I	4
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3(4)
<b>SEMESTER 2</b>		
<b>CHE* 122</b>	General Chemistry II	4
<b>MAT* 256</b>	Calculus II	4
<b>WRIX</b>	Written Communication II	3
<b>HISX</b>	Historical Knowledge & Understanding	3
<b>AESX</b>	Aesthetic Dimensions	3
<b>SEMESTER 3</b>		
<b>CHE* 211</b>	Organic Chemistry I <sup>2</sup>	4
<b>PHY* 221</b>	Calculus-Based Physics I	4
<b>SOCX</b>	Social Phenomena I	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>CHE* 212</b>	Organic Chemistry II <sup>2</sup>	4
<b>PHY* 222</b>	Calculus-Based Physics II	4
<b>CONX</b>	Continued Learning/Information Literacy	3
<b>SOPX</b>	Social Phenomena II	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup> (If you have taken PHY* 110 or MAT* 186, you will not need this elective.)	0-3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not more than two requirements for ECSU. You are encouraged to meet with your advisor to determine which courses to select.

<sup>2</sup> NCCC does not offer these courses, so in order to complete this degree, you will have to take them at another institution.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# CSCU PATHWAY TRANSFER DEGREE: COMPUTER SCIENCE STUDIES

## Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Computer Science Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to

<http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Gwen Whitham, [gwhitham@nwcc.edu](mailto:gwhitham@nwcc.edu), 860-738-6385

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>CSC* 220</b>	Java I <sup>1</sup>	3
<b>MAT* 186</b>	Pre-Calculus	4
<b>BIO* 121</b> <b>CHE* 121</b> <b>PHY* 221</b>	General Biology I <sup>3</sup> <b>OR</b> General Chemistry I <sup>3</sup> <b>OR</b> Calculus-Based Physics I <sup>3</sup>	4
<b>SEMESTER 2</b>		
<b>CSC* 222</b>	Java II <sup>1</sup>	3
<b>MAT* 254</b>	Calculus I <sup>1</sup>	4
<b>WRIX</b>	Written Communication II	3
<b>BIO* 122</b> <b>CHE* 122</b> <b>PHY* 222</b>	General Biology II <sup>3</sup> <b>OR</b> General Chemistry II <sup>3</sup> <b>OR</b> Calculus-Based Physics II <sup>3</sup>	4
<b>SEMESTER 3</b>		
<b>CSC* 231</b>	Database Design <sup>1</sup>	3
<b>MAT* 256</b>	Calculus II <sup>2</sup>	4
<b>SOCX</b>	Social Phenomena I	3
<b>HISX</b>	Historical Knowledge & Understanding	3
<b>AESX</b>	Aesthetic Dimensions	3
<b>SEMESTER 4</b>		
<b>CST* 150</b>	Web Design & Development I	3
<b>EET</b>	Digital Systems <sup>2, 4</sup>	4
<b>MAT* 210</b>	Discrete Math <sup>1</sup>	3
<b>CONX</b>	Continued Learning & Info Literacy	3
<b>SOPX</b>	Social Phenomena II	3
<b>TOTAL CREDITS</b>		<b>60</b>

<sup>1</sup> These courses must be completed with a grade of C or higher.

<sup>2</sup> These courses must be completed with a grade of C- or higher.

<sup>3</sup> Complete either:  
BIO\* 121 **and** BIO\* 122 **or**  
CHE\* 121 **and** CHE\* 122 **or**  
PHY\* 221 **and** PHY\* 222

<sup>4</sup> These courses are not offered at NCCC. In order to complete this degree, the student will have to take these at another institution.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# COMPUTER SYSTEMS TECHNOLOGY

## Associate in Science Degree

### 2020-2021

The Computer Systems Technology degree program is for students seeking a broad background in the theory, design, installation, maintenance, management, and application of computer hardware and software including: computer programming skills; Internet and Web page design skills; fundamentals of computer operating systems; basic computer architecture; computer hardware and software installation, upgrading, configuration and maintenance; fundamentals of computer networks; and computer database concepts and applications. Graduates typically seek a career in which their skills and knowledge are used as important resources in fulfilling the mission of a business, organization, or educational institution. They may enter the workforce with job titles such as Database Programmer or Administrator; Network Specialist or Administrator; Technical Support Specialist; Web Developer; Computer Programmer; or Computer Sales Associate.

The experience and training in the Computer Systems Technology courses will begin to prepare students for the core and elective computer industry network certification examinations such as the national Computer Technology Industry Association (Comp TIA) A+ and Network+ certification examinations.

**Advisor:** Gwen Whitham, [gwhitham@nwcc.edu](mailto:gwhitham@nwcc.edu), 860-738-6385

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG*101	Composition	3
CST*150	Web Design & Development I	3
CST*201	Introduction to Management Information Systems (MIS)	3
CST*210	Operating Systems	3
MAT*	Mathematics Elective	3
<b>SEMESTER 2</b>		
ENG*102	Literature & Composition	3
CSC* 180	Computer Ethics	3
CSC* 231	Database Design I	3
ELECTIVE	Technology OR Programming Elective	3(4)
CSC*250	Systems Analysis & Design	3
<b>SEMESTER 3</b>		
CSA*155 COM* 173 BBG* 210	Multimedia Communication OR Public Speaking OR Business Communication	3
ELECTIVE	Applications OR Web Elective	3(4)
ELECTIVE	Social Science Elective	3
ELECTIVE	Directed Elective <sup>1</sup>	3(4)
ELECTIVE	Directed Elective <sup>1</sup>	3(4)
<b>SEMESTER 4</b>		
ELECTIVE	Natural/Physical Science Elective	3(4)
ELECTIVE	Behavioral Science Elective	3
ELECTIVE	Directed Elective <sup>1</sup>	3(4)
ELECTIVE	Directed Elective <sup>1</sup>	3(4)
ELECTIVE	Directed Elective <sup>1</sup>	3(4)
<b>TOTAL CREDITS</b>		<b>60(68)</b>

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Apply computing skills to solve problems within the context of business systems.
2. Research and evaluate the functions and features of software, hardware, and Internet solutions for application in a business environment.
3. Employ basic techniques used in developing and managing information technology projects.
4. Communicate effectively within an organization.
5. Work productively in team and individual settings.
6. Demonstrate professionalism and ethical behavior.
7. Adapt to emerging technologies and new environments.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## COMPUTER PROGRAMMING Certificate 2020-2021

Students will acquire background and skills to enable them to work with digital machines from microprocessors to microcomputers to mainframe systems configured in Local Area and Wide Area Networks. Students will learn the logical and physical technologies associated with hardware, software, connectivity and project design planning.

**Advisor:** Gwen Whitham, [gwhitham@nwcc.edu](mailto:gwhitham@nwcc.edu), 860-738-6385

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>CSC* 104</b>	Intro to Logic and Programming	4
<b>SEMESTER 2</b>		
<b>CSC* 233</b>	Database Development I	4
<b>CSC* 250</b>	Systems Analysis & Design	3
<b>ELECTIVE</b>	Programming Language Elective	3(4)
<b>ELECTIVE</b>	Programming Language Elective	3(4)
<b>SEMESTER 3</b>		
<b>ELECTIVE</b>	Programming Language Elective	3(4)
<b>TOTAL CREDITS</b>		<b>20(23)</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate an understanding of the role and function of computers and effectively use the computer to solve problems.
2. Demonstrate the basic techniques used in developing and managing software projects.
3. Demonstrate problem solving skills to design solutions for business problems.
4. Demonstrate a working knowledge of computer programming to create and maintain business applications.

## WEBMASTER & INTERNET DESIGN Certificate 2020-2021

The growth of the Internet and the expansion of the World Wide Web (the graphical portion of the Internet) have generated a variety of occupations related to the design, development, and maintenance of Web sites and their servers. For example, webmasters are responsible for all aspects of a Web site, including performance issues such as speed of access, and for approving the content of the site. Internet developers or Web developers, also called Web designers, are responsible for day-to-day site design and creation. (Occupational Outlook Handbook)

**Advisor:** Gwen Whitham, [gwhitham@nwcc.edu](mailto:gwhitham@nwcc.edu), 860-738-6385

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>CSA* 105</b> <b>CSA* 205</b>	Intro to Software Applications <b>OR</b> Advanced Applications	3
<b>CST* 151</b>	Web Construction	3
<b>SEMESTER 2</b>		
<b>CSC* 180</b>	Computer Ethics	3
<b>CST* 154</b>	Web Coding & Development	4
<b>SEMESTER 3</b>		
<b>CSA* 290</b>	Computer Applications Capstone	3
<b>ELECTIVE</b>	Directed Elective	3(4)
<b>TOTAL CREDITS</b>		<b>19(20)</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate competency with underlying fundamentals of websites as regards to software, control structures, and required hardware for development and maintenance of comprehensive web/Internet pages for commercial presence.
2. Demonstrate expertise in both HTML and JavaScript languages/scripting for creation of comprehensive webpages.
3. Demonstrate an understanding of an integrated approach to software applications and webpage development as used in business environments.
4. Demonstrate expertise in research and evaluation of the functions and features of Internet sources to incorporate into applications and web development for use in business environments.



# ENGINEERING SCIENCE

## Associate in Science Degree

### THE COLLEGE OF TECHNOLOGY

#### 2020-2021

The Connecticut College of Technology is an innovative program leading to a Bachelor of Science Degree in engineering or technology. The program consists of two distinct pathways, one in Engineering Science and one in Technological Studies. After completing the Technological Studies Pathway Program, students may enter directly into technical fields at Central Connecticut State University or Charter Oak State College (Connecticut's External Degree Program). The Engineering Science Pathway leads directly into the School of Engineering at the University of Connecticut, the University of New Haven, University of Hartford, CCSU, or Fairfield University. The pathway courses will transfer to engineering and technology programs at many other public and private universities as well.

**Consultation with a faculty advisor is strongly recommended.** The Engineering Science associate degree program prepares students primarily to transfer to complete a B.S. degree in chemical, civil, computer science, electrical, mechanical, or materials engineering. Graduates will receive a background in mathematics, science, and general education courses for transfer into a four-year program. Careers in this field include jobs that involve inventing new machines/tools, planning and designing infrastructure such as bridges and water treatment facilities, developing and testing electrical equipment and infrastructure, designing and engineering solutions to environmental hazards. A grade average of 'B', with no grade less than 'C' and completion of the full program is required for continuation as a junior at UCONN, the University of New Haven, University of Hartford, CCSU or Fairfield University.

**Advisors:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395; Dr. Douglas Hoffman, [dhoffman@nwcc.edu](mailto:dhoffman@nwcc.edu), 860-738-6332; Tara Jo Holmberg, [tholmberg@nwcc.edu](mailto:tholmberg@nwcc.edu), 860-738-6363

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
MAT* 254	Calculus I	4
EGR* 111	Introduction to Engineering	3
CHE* 121	General Chemistry I	4
ELECTIVE	Humanities or Fine Arts Elective	3
<b>SEMESTER 2</b>		
ENG* 102	Literature & Composition	3
MAT* 256	Calculus II	4
EGR* 214 EGR* 215 CHE* 122	Engineering Thermodynamics OR Engineering Thermodynamics I OR General Chemistry II	3(4)
ELECTIVE	EGR*/Technology Elective	3
HIS*	History Elective	3
<b>SEMESTER 3</b>		
MAT* 268	Calculus III - Multivariable	4
EGR* 211	Engineering Statics	3
PHY* 221	Calculus-Based Physics I	4
ELECTIVE	Behavioral Science Elective	3
ELECTIVE	Computer Programming Elective	3
<b>SEMESTER 4</b>		
MAT* 286	Differential Equations	4
EGR* 212	Engineering Dynamics	3
PHY* 222	Calculus-Based Physics II	4
ELECTIVE	Humanities or Fine Arts Elective	3
<b>TOTAL CREDITS</b>		<b>64(65)</b>

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Transition seamlessly into a Bachelor of Science Degree Program in Engineering with junior level status in the receiving institutions part of the Engineering Science Pathway Program.
2. Demonstrate good working knowledge of state-of-the-art hardware and software in support of engineering design.
3. Apply appropriate mathematical and scientific principles to engineering and technology applications.
4. Demonstrate proficiency in technical fundamentals to analyze and resolve technology problems.
5. Apply knowledge and skills to develop, interpret, and select appropriate technological processes.
6. Demonstrate the ability to assist in research, development, design, production, testing and various other functions associated with engineering.
7. Demonstrate a good understanding of engineering principles/concepts.
8. Demonstrate a good understanding of mathematical concepts.
9. Demonstrate the ability to think through a problem in a logical manner.
10. Organize and carry through to conclusion the solution to a problem.
11. Demonstrate good communication skills.
12. Demonstrate teamwork skills.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## CSCU PATHWAY TRANSFER DEGREE: MATHEMATICS STUDIES

### Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Mathematics Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Dr. Douglas Hoffman, [dhoffman@nwcc.edu](mailto:dhoffman@nwcc.edu), 860-738-6332

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>MAT* 186</b>	Pre-Calculus (This course needs to be completed before starting the Calculus sequence)	4
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 254</b>	Calculus I (Offered in fall only)	4
<b>BIO* 121</b> <b>CHE* 121</b> <b>PHY* 121</b>	General Biology I <b>OR</b> General Chemistry I <b>OR</b> General Physics I	4
<b>AESX</b>	Aesthetic Dimensions	3
<b>SEMESTER 2</b>		
<b>MAT* 256</b>	Calculus II (Offered in spring only)	4
<b>WRIX</b>	Written Communication II	3
<b>BIO* 122</b> <b>CHE* 122</b> <b>PHY* 122</b>	General Biology II <b>OR</b> General Chemistry II <b>OR</b> General Physics II	4
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>MAT* 268</b>	Calculus III: Multivariable (Offered in fall only)	4
<b>CSC* 213</b> <b>CSC* 220</b>	Object Oriented Programming C++ <b>OR</b> Object Oriented Programming Java	3
<b>SOCX</b>	Social Phenomena I	3
<b>HISX</b>	Historical Knowledge & Understanding	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>MAT* 286</b>	Differential Equations (Offered in spring only)	4
<b>CONX</b>	Continued Learning/Information Literacy	3
<b>SOPX</b>	Social Phenomena II	3
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>61</b>

<sup>1</sup> Choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements for your programs or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor by earning at least 18 credits in one area outside your major field. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC; up to two additional General Education requirements for ECSU. You are encouraged to meet with your advisor to determine which courses to select.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# NATURAL RESOURCES

## Associate in Science Degree

### 2020-2021

This program is designed for students with an interest in environmental science, forestry, fisheries, conservation ecology, environmental biology, sustainability, wildlife management, soil science, environmental health and monitoring, sustainable agriculture/horticulture, and resource economics. A degree in natural resources provides students with a strong background in basic sciences, including life and the physical sciences, in addition to introducing them to concepts in nature conservancy, resource management, and environmental risk and assessment.

Students enrolled in the Natural Resources program at NCCC prepare for careers in sustainable agriculture/horticulture, forest and fisheries management, marine science, conservation enforcement, wetlands and watershed management, land use and planning, environmental biology, environmental research, as well as natural resources consulting, monitoring, remediation, and oversight. Students may choose to transfer into programs such as those offered through the College of Agricultural and Natural Resources at UCONN, the School of Arts and Sciences at Central Connecticut State University, the Department of Biological and Environmental Sciences at Western Connecticut State University, and many other college and university programs across the state, region, and country.

**Advisor:** Tara Jo Holmberg, [tholmberg@nwcc.edu](mailto:tholmberg@nwcc.edu), 860-738-6363

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>EVS* 100</b>	Introduction to Environmental Science	3
<b>BIO* 178</b> <b>BIO* 270</b>	General Ecology <b>OR</b> Ecology	4
<b>ELECTIVE</b>	Humanities or Fine Arts Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>BIO* 121</b>	General Biology I	4
<b>CSA* 135</b>	Spreadsheet Applications	3
<b>MAT* 186</b> <b>BIO* 122</b>	Precalculus <b>OR</b> General Biology II	4
<b>EVS* 135</b>	Exploring Environmental Careers	1
<b>SEMESTER 3</b>		
<b>CHE* 121</b>	General Chemistry I	4
<b>COM* 173</b>	Public Speaking	3
<b>MAT* 167</b>	Principles of Statistics	3
<b>HIS*</b>	History Elective – 200 level <sup>1</sup>	3
<b>ELECTIVE</b>	Social Science Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>BIO* 235</b>	Microbiology	4
<b>MAT* 186</b> <b>BIO* 122</b>	Precalculus <b>OR</b> General Biology II	4
<b>ELECTIVE</b>	Behavioral Science Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Natural/Physical Science Elective <sup>1</sup>	3(4)
<b>ELECTIVE</b>	Liberal Arts Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>61(62)</b>

<sup>1</sup> See Program Advisor for course selection.

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate basic, safe laboratory skills.
2. Apply scientific methodology to a question.
3. Demonstrate safe field sampling techniques.
4. Discuss experimental design and statistical analysis.
5. Describe cellular, organismal, microbiological, and ecological principles of biology.
6. Explain energy and nutrient transfer relationships through systems and the characteristics of the kingdoms of life.
7. Use a dichotomous key to identify organisms.
8. Analyze population and community dynamics, ecosystem function, and systems thinking.
9. Explain abiotic processes shaping terrestrial and aquatic communities from direct sampling and analysis.
10. Describe deep time, genetics, evolution, and mechanisms of evolution including natural selection.
11. Explain basic chemical and biomolecular concepts.
12. Evaluate important natural resources as well as regional and global environmental concerns.
13. Describe how science and risk assessment inform decision-making.
14. Identify the importance of wicked problems, resilience, and adaptive management in planning.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## CSCU PATHWAY TRANSFER DEGREE: PHYSICS STUDIES

### Associate in Art Degree

### 2020-2021

Below is the recommended course of study for the **Physics Studies Transfer Degree**. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances, you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to <http://www.ct.edu/files/tap/NCCC-Appendix-1.pdf>

**Advisor:** Douglas Mooney, [dmooney@nwcc.edu](mailto:dmooney@nwcc.edu), 860-738-6401.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 254</b>	Calculus I	4
<b>CHE* 121</b>	General Chemistry I	4
<b>ELECTIVE</b>	Unrestricted Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>CHE* 122</b>	General Chemistry II	4
<b>MAT* 256</b>	Calculus II	4
<b>CRTY</b>	General Education I – Creativity	3
<b>HISX</b>	Historical Knowledge & Understanding	3
<b>SEMESTER 3</b>		
<b>MAT* 268</b>	Calculus III: Multivariable	4
<b>PHY* 221</b>	Calculus-Based Physics I	4
<b>SOCX</b>	Social Phenomena I	3
<b>AESX</b>	Aesthetic Dimensions	3
<b>CONX</b>	Continued Learning & Info. Literacy	3
<b>SEMESTER 4</b>		
<b>WRIX</b>	Written Communication II	3
<b>SOPX</b>	Social Phenomena II	3
<b>MAT* 286</b>	Differential Equations	4
<b>PHY* 222</b>	Calculus-Based Physics II	4
<b>GLKY</b>	General Education II – Global Knowledge	3
<b>TOTAL CREDITS</b>		<b>62</b>

<sup>1</sup> If you have not taken Physics in high school, you should use this elective to take PHY\* 110 – Introductory Physics.

Otherwise, choose any courses at the 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for your programs or begin work on completing a minor. Central Connecticut State University will require that you complete a minor by earning at least 18 credits in one area outside your major field; you must complete at least 9 of those minor credits at Central. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC – but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



**TECHNOLOGY STUDIES  
BIOMOLECULAR OPTION  
Associate in Science Degree  
THE COLLEGE OF TECHNOLOGY  
2020-2021**

The objective of this pathway is to prepare students for transfer to a baccalaureate degree in BioMolecular Sciences at a Central Connecticut State University as well as for entry-level laboratory technician positions.

Students who earn an associate's degree will be able to:

- Transfer into a bachelor's degree program in biomolecular science.
- Transfer into pre-professional programs such as pre-vet or pre-med.
- Pursue careers as laboratory technicians in academic or industrial settings.

Contact **Sharon Gusky**, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395, Biology Faculty Advisor for more details on career and transfer options.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 186</b>	Precalculus	4
<b>ECN*</b>	Economics Elective	3
<b>GEO*</b> <b>HIS*</b> <b>POL*</b>	Geography Elective <b>OR</b> History Elective <b>OR</b> Political Science Elective	3
<b>CHE* 121</b>	General Chemistry I	4
<b>BIO* 121</b>	General Biology I	4
<b>SEMESTER 2</b>		
<b>ENG* 202</b>	<i>Technical Writing</i>	3
<b>BIO* 122</b>	General Biology II	4
<b>CHE* 122</b>	General Chemistry II	4
<b>PSY*</b> <b>SOC*</b>	Psychology Elective <b>OR</b> Sociology Elective	3
<b>ELECTIVE</b>	Fine Arts Elective	3
<b>SEMESTER 3</b>		
<b>MAT* 167</b>	Principles of Statistics	3
<b>BIO* 260</b> <b>BIO* 263</b>	Genetics <b>OR</b> Molecular Genetics	3(4)
<b>HIS*</b>	History Elective	3
<b>PHY* 121</b>	General Physics I	4
<b>SEMESTER 4</b>		
<b>COM* 173</b>	Public Speaking	3
<b>PHL*</b>	Philosophy Elective	3
<b>PHY* 122</b>	General Physics II	4
<b>BIO* 235</b>	Microbiology	4
<b>TOTAL CREDITS</b>		<b>65(66)</b>

*The course in italics is offered at other Connecticut Community Colleges.*

### Program Outcomes

In addition to meeting the Technology Studies outcomes, graduates should be able to:

1. Demonstrate basic laboratory skills and working knowledge of safety procedures.
2. Understand and be able to apply the scientific method of inquiry.
3. Demonstrate a basic understanding of experimental design and analysis.
4. Explain basic cellular and organism principles.
5. Demonstrate an understanding of basic chemical concepts.
6. Perform biotechnology techniques including:
  - Gel electrophoresis
  - Restriction digests
  - Bacterial transformation
  - Polymerase Chain Reaction
  - DNA fingerprinting
  - Annotate genes
7. Use a light microscope to view and interpret slides.
8. Properly prepare slides for microbiological examination.
9. Perform simple and differential staining techniques including Gram stains.
10. Demonstrate aseptic techniques for the handling of microorganisms and instruments, including:
  - Sterilization and maintenance of sterile transfer instruments
  - Perform aseptic transfer
  - Obtain samples.
11. Use appropriate microbes in a sample using serial dilution techniques.
12. Estimate the number of microbes in a sample using serial dilution techniques.
13. Use standard microbiology laboratory equipment correctly.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# TECHNOLOGY STUDIES DATA SCIENCE OPTION

## Associate in Science Degree

### THE COLLEGE OF TECHNOLOGY

Consultation with a faculty advisor is strongly recommended. The Technology Studies – Data Science Option associate degree program prepares students primarily to transfer to complete a B.S. degree in Data Science or Technology Management. Graduates will receive a background in mathematics, science, data literacy, programming, and general education courses for transfer into a four-year program.

**Advisor:** Crystal Wiggins, [cwiggins@nwcc.edu](mailto:cwiggins@nwcc.edu), 860-738-6310.

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
MAT* 167	Principles of Statistics	3
MAT* 186	Pre-Calculus	4
CHE* 121 CHE* 111	General Chemistry I <b>OR</b> Concepts of Chemistry	4
HIS* ECN*	History Elective <b>OR</b> Economics Elective	3
<b>SEMESTER 2</b>		
COM* 173	Public Speaking	3
ENG* 202	<i>Technical Writing</i>	3
MAT* 222	Statistics II w/ Technology Apps	3
ELECTIVE	CAD* or Directed Elective	3
PSY* SOC*	Psychology Elective <b>OR</b> Sociology Elective	3
<b>SEMESTER 3</b>		
DTS* 201	Data Science in R	3
PHY* 121 PHY* 110	General Physics I <b>OR</b> Intro to Physics	4
ELECTIVE	MAT* Elective <b>OR</b> Programming Elective <b>OR</b> Computer Applications Elective	3
ELECTIVE	Directed Elective <sup>^</sup>	3
MAT* 254	Calculus I	4
<b>SEMESTER 4</b>		
DTS* 220	Intro to Machine Learning	3
ELECTIVE	MAT* or Programming Elective	3
ELECTIVE	MAT* or Programming Elective	3
GEO* HIS* POL*	Geography Elective <b>OR</b> History <b>OR</b> Political Science Elective	3
ELECTIVE	Directed Elective <sup>^</sup>	3
ELECTIVE	Fine Arts Elective	3
<b>TOTAL CREDITS</b>		<b>67</b>

#### Program Outcomes

- Upon successful completion of all program requirements, graduates should be able to:
1. Transition seamlessly into a Bachelor of Science Degree Program in Data Science or Technology Management
  2. Apply appropriate mathematical and scientific principles to Data Science applications.
  3. Demonstrate proficiency in technical fundamentals to analyze and resolve technology problems.
  4. Apply knowledge and skills to develop, interpret, and select appropriate technological processes.
  5. Demonstrate the ability to assist in research, development, design, production, testing and various other functions associated with Data Science.
  6. Demonstrate a good understanding of Data Science principles/concepts.
  7. Demonstrate a good understanding of mathematical concepts.
  8. Demonstrate the ability to think through a problem in a logical manner.
  9. Organize and carry through to conclusion the solution to a problem.
  10. Demonstrate good communication skills.
  11. Demonstrate teamwork skills.

*Course in italics offered at other Connecticut Community Colleges.*

<sup>^</sup> Directed elective should be chosen in consultation with your advisor.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## DATA SCIENCE Certificate 2020-2021

The certificate in Data Science provides exposure to key elements of data science including data structures and data sources, programming languages, statistical principals, computing and analytics, data management, machine learning tools, and data science applications.

**Advisor:** Crystal Wiggins, [cwiggins@nwcc.edu](mailto:cwiggins@nwcc.edu), 860-738-6310.

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>CSA* 135</b>	Spreadsheet Applications	3
<b>MAT* 167</b>	Principles of Statistics	3
<b>SEMESTER 2</b>		
<b>MAT* 222</b>	Statistics II w/ Technology Applications	3
<b>DTS* 201</b>	Data Science in R	3
<b>SEMESTER 3</b>		
<b>DTS* 220</b>	Intro to Machine Learning	3
<b>ELECTIVE</b>	Directed Elective <sup>^</sup>	3(4)
<b>TOTAL CREDITS</b>		<b>18(19)</b>

<sup>^</sup> Directed elective should be chosen in consultation with your advisor.

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Master key facets of data investigation, including data wrangling, cleaning, sampling, management, exploratory analysis, regression and classification, prediction, and data communication.
2. Implement foundational concepts of data computation, such as data structure, algorithms, simulation, and analysis.
3. Utilize various technologies to organize, analyze, explore, and visualize data.
4. Execute data organization, exploration, and develop proficiency in the programming language of R.
5. Apply advanced statistical techniques and machine learning models.



# TECHNOLOGY STUDIES

## ELECTRICAL POWER TECHNOLOGY PATHWAY

### Associate in Science Degree

## THE COLLEGE OF TECHNOLOGY

### 2020-2021

The Electrical Power Technology Pathway is articulated with Bismarck State College (BSC) and provides access for individuals interested in career pathways into the transmission and distribution sectors of the energy industry, by offering online Electric Power Technology classes to students enrolled in the Connecticut Community College System (CCCS). The Electric Power Technology (EPTP) at BSC is an instructor-led, online program that provides students with a core set of skills and competencies and a broad knowledge of the industry. The partnership between CCCS and BSC provides CCCS students with a seamless and efficient way to enroll in ELPW/ENRT technical courses through BSC, while completing core educational courses. Upon successful completion of the two year (four-semester) program, students will earn an Associate in Technology Studies degree.

**Consultation with an advisor is strongly recommended.**

**Advisors:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395  
 Douglas Mooney, [dmooney@nwcc.edu](mailto:dmooney@nwcc.edu), 860-738-6401

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
ELECTIVE	Fine Arts Elective	3
ELECTIVE	Social Science Elective	3
ELPW 109	Electrical Industry Safety	3
ELPW 111	Intro to Electric Industry & Power Grid	3
ENRT 106	DC Fundamentals	2
<b>SEMESTER 2</b>		
COM* 173	Public Speaking	3
MAT* 186	Precalculus	4
CAD* 220 CAD*	3D Parametric Design Solidworks OR CAD* Elective	3
ELPW 105	Electrical System Fundamentals	3
ENRT 108	AC Fundamentals	3
<b>SEMESTER 3</b>		
PHY* 110 PHY* 121	Introductory Physics OR General Physics I	4
CHE* 111 CHE* 121	Concepts of Chemistry OR General Chemistry I	4
ECN*	Economics Elective	3
EGR* 112 MFG* 124	Engineering Drawing Specs Blueprint Reading I	2(3)
ELPW 112	Electrical System Components	2
<b>SEMESTER 4</b>		
MAT* 167	Principles of Statistics	3
ENG* 202	Technical Writing	3
GEO* HIS* POL*	Geography Elective OR History Elective OR Political Science Elective	3
PHL*	Philosophy Elective	3
PSY* SOC*	Psychology Elective OR Sociology Elective	3
ELPW 206	Electrical System Protection	3
<b>TOTAL CREDITS</b>		<b>66(67)</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Apply appropriate mathematical and scientific principles to engineering and technology applications.
2. Demonstrate a good understanding of electric power principles/concepts.
3. Analyze and resolve technology problems.
4. Apply knowledge and skills to develop, in interpret, and select appropriate technological processes.
5. Demonstrate the ability to think through a problem in a logical manner.
6. Organize and carry through to conclusion the solution to a problem.
7. Apply good communication skills.
8. Work in teams.

### Course Offerings Explanation:

- The BSC core technical courses in the online Electric Power Technology Program are offered in the Fall, Spring and Summer term.
- The online Electric Power Technology Program schedule can be found at <http://info.bismarckstate.edu/energy/students/elpw/dates.asp>

*Courses in italics are offered at other Connecticut Community Colleges.*

**All ELPW & ENRT courses are offered by BSC.**

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.



# TECHNOLOGY STUDIES – ENGINEERING TECHNOLOGY OPTION

## Associate in Science Degree THE COLLEGE OF TECHNOLOGY 2020-2021

The Connecticut College of Technology is an innovative program leading to a Bachelor of Science Degree in engineering or technology. The program consists of two distinct pathways, one in Engineering Science and one in Technological Studies. After completing the Technology Studies Pathway Program, students may enter directly into technical fields at Central Connecticut State University or Charter Oak State College (Connecticut's External Degree Program). The Engineering Science Pathway leads directly into the School of Engineering at the University of Connecticut, the University of New Haven, University of Hartford, CCSU, or Fairfield University. The pathway courses will transfer to engineering and technology programs at many other public and private universities as well.

Consultation with a faculty advisor is **strongly** recommended. The **Technology Studies – Engineering Technology Option** associate degree program prepares students primarily to transfer to complete a B.S. degree in civil, mechanical, manufacturing, composite, or computer engineering technology. Graduates will receive a background in mathematics, science, and general education courses for transfer into a four-year program. Careers in this field include jobs in quality control of industrial products, electrical system testing and diagnostics, computer modeling of essential infrastructure, robotic technology, and remediation of environmental hazards. A grade average of 'B' with no grade less than 'C', and completion of the full program is required for continuation as a junior in CCSU's School of Technology or at Charter Oak.

**Advisors:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395  
Douglas Mooney, [dmooney@necc.ced](mailto:dmooney@necc.ced), 860-738-6401

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
MAT* 167	Principles of Statistics	4
EGR* 111	Introduction to Engineering	3
CHE* 121	General Chemistry I	4
HIS*	History Elective	3
<b>SEMESTER 2</b>		
CAD* 220 CAD*	3D Parametric Design Solidworks <b>OR</b> CAD* Elective	3
MAT* 186	Precalculus	4
PHL*	Philosophy Elective	3
ELECTIVE	Behavioral Science Elective	3
ELECTIVE	Fine Arts Elective	3
<b>SEMESTER 3</b>		
MAT* 254	Calculus I	3
PHY* 121 PHY* 221	General Physics I <b>OR</b> Calculus-Based Physics I	4
EGR* 211	Engineering Statics	3
ELECTIVE	Social Science Elective	3
ECN* 101	Macroeconomics	3
<b>SEMESTER 4</b>		
MAT* 256	Calculus II	4
PHY* 122 PHY* 222	General Physics II <b>OR</b> Calculus Based Physics II	4
EGR* 212	Engineering Dynamics	3
COM* 173	Public Speaking	3
ENG* 202	Technical Writing	3
<b>TOTAL CREDITS</b>		<b>66</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Transition seamlessly into a Bachelor of Science Degree Program in Engineering with junior level status in the receiving institution as part of the Engineering Technology Pathway Program.
2. Apply appropriate mathematical and scientific principles to engineering and technology applications.
3. Analyze and resolve technology problems.
4. Apply knowledge and skills to develop, interpret, and select appropriate technological processes.
5. Assist in research, development, design, production, testing and various other functions associated with engineering.
6. Identify and apply engineering principles/ concepts.
7. Apply mathematical concepts.
8. Demonstrate the ability to think through a problem in a logical manner.
9. Organize and carry through to conclusion the solution to a problem.
10. Apply good communication skills.
11. Work in teams.

*Courses in italics are offered at other Connecticut Community Colleges.*

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# TECHNOLOGY STUDIES – INDUSTRIAL TECHNOLOGY OPTION

## Associate in Science Degree

### THE COLLEGE OF TECHNOLOGY

#### 2020-2021

The Connecticut College of Technology is an innovative program leading to a Bachelor of Science Degree in engineering or technology. The program consists of two distinct pathways, one in Engineering Science and one in Technological Studies. After completing the Technology Studies Pathway Program, students may enter directly into technical fields at Central Connecticut State University or Charter Oak State College (Connecticut's External Degree Program). The Engineering Science Pathway leads directly into the School of Engineering at the University of Connecticut, the University of New Haven, University of Hartford, CCSU, or Fairfield University. The pathway courses will transfer to engineering and technology programs at many other public and private universities as well.

Consultation with a faculty advisor is **strongly** recommended. The **Technology Studies – Industrial Technology Option** associate degree program prepares students primarily to transfer to complete a B.S. degree in automotive, construction management, environmental safety, electrical engineering, manufacturing and energy. Graduates will receive a background in mathematics, science, and general education courses for transfer into a four-year program. Careers in this field include jobs in industrial design, occupational health and safety, sustainable energy generation/transmission, lean manufacturing analysis, and laser technicians. A grade average of "B" with no grade less than 'C', and completion of the full program is required for continuation as a junior in CCSU's School of Technology or at Charter Oak.

**Advisors:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395  
 Douglas Mooney, [dmooney@necc.ced](mailto:dmooney@necc.ced), 860-738-6401

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
ENG* 101	Composition	3
MAT* 186	Precalculus	4
PHL*	Philosophy Elective	3
CHE* 111 CHE* 121	Concepts of Chemistry OR General Chemistry I	4
ELECTIVE	Technical Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
ENG* 202	<i>Technical Writing</i>	3
MAT* 167	Principles of Statistics	3
ECN*	Economics Elective	3
CAD* 220 CAD*	3D Parametric Design Solidworks OR CAD Elective	3
PSY* SOC*	Psychology Elective OR Sociology Elective	3
ELECTIVE	Technical Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
BMG* 202	Principles of Management	3
PHY* 110 PHY* 121	Introductory Physics OR General Physics I	4
CSC*	CSC* Elective	3
ELECTIVE	Fine Arts Elective	3
ELECTIVE	Technical Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
COM* 173	Public Speaking	3
ELECTIVE	Social Science Elective	3
HIS*	History Elective	3
ELECTIVE	Technical Elective <sup>1</sup>	3
ELECTIVE	Technical Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>66</b>

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Transition seamlessly into a Bachelor of Science Degree Program in Industrial Technology with junior level status in the receiving institution as part of the Technology Studies Pathway Program.
2. Assist in research, development, design, production, testing and various other functions associated with engineering.
3. Apply appropriate mathematical and scientific principles to engineering and technology applications.
4. Identify and apply engineering principles/concepts.
5. Analyze and resolve technology problems.
6. Apply knowledge and skills to develop, interpret, and select appropriate technological processes.
7. Demonstrate the ability to think through a problem in a logical manner.
8. Organize and carry through to conclusion the solution to a problem.
9. Apply good communication skills.
10. Work in teams.

*Courses in italics are offered at other Connecticut Community Colleges.*

<sup>1</sup> See Program Advisor

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

# TECHNOLOGY STUDIES – MANUFACTURING OPTION

## Associate in Science Degree

### THE COLLEGE OF TECHNOLOGY

#### 2020-2021

The Connecticut College of Technology (COT) is an innovative program leading to a Bachelor of Science Degree in engineering or technology. The program consists of two distinct pathways, one in Engineering Science and one in Technology Studies. Students interested in engineering science or technology studies should consult with a COT faculty advisor as soon as possible to determine the most appropriate program.

Consultation with a faculty advisor is strongly recommended. The Technology Studies – Manufacturing Technology Pathway associate degree program prepares students primarily for employment in the advanced technology manufacturing workforce. Graduates will receive a background in manufacturing, mathematics, science, and general education courses for placement with an appropriate employer. For those students looking to transfer into a Bachelor of Science degree, a grade average of “B”, with no grade less than a ‘C’, and completion of the full program is required for continuation as a junior in CCSU's School of Technology or at Charter Oak.

**Advisors:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395  
 Douglas Mooney, [dmooney@necc.ced](mailto:dmooney@necc.ced), 860-738-6401

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>MAT* 137</b>	Intermediate Algebra	4
<b>ELECTIVE EGR* 112</b>	Technical Elective <sup>1</sup> OR Engineering Drawing Specs	3
<b>ELECTIVE MFG* 102 MFG* 103</b>	Technical Elective <sup>1</sup> OR Manufacturing Processes AND Manufacturing Processes Lab	3(4)
<b>ELECTIVE MFG* 156</b>	Technical Elective <sup>1</sup> OR Mfg. Machinery – CNC I	2(3)
<b>SEMESTER 2</b>		
<b>COM* 173</b>	Public Speaking	3
<b>CAD* 220</b>	Parametric Design (SolidWorks)	3
<b>ELECTIVE MFG* 205</b>	Technical Elective <sup>1</sup> OR Principles of CNC w/MasterCam	3
<b>MAT* 186</b>	Precalculus	4
<b>ELECTIVE MFG* 258</b>	Technical Elective <sup>1</sup> OR Mfg. Machinery – CNC Operations	3
<b>SEMESTER 3</b>		
<b>ECN* 101</b>	Principles of Macroeconomics	3
<b>PHY* 110 PHY* 121</b>	Introductory Physics OR General Physics I	4
<b>CHE* 111 CHE* 121</b>	Concepts of Chemistry OR General Chemistry I	4
<b>PHL*</b>	Philosophy Elective	3
<b>ENG* 202</b>	<i>Technical Writing</i>	3
<b>SEMESTER 4</b>		
<b>ELECTIVE</b>	Fine Arts Elective	3
<b>ELECTIVE</b>	GEO* OR HIS* OR POL* Elective	3
<b>CSA* 135</b>	Spreadsheet Applications	3
<b>ELECTIVE</b>	PSY* OR SOC* Elective	3
<b>ELECTIVE</b>	Technical Elective <sup>1</sup> OR Gen Chem II	3(4)

#### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Transition seamlessly into a Bachelor of Science Degree Program in Industrial Technology with junior level status in the receiving institution as part of the Technology Studies Pathway Program.
2. Assist in research, development, design, production, testing and various other functions associated with engineering.
3. Apply appropriate mathematical and scientific principles to engineering and technology applications.
4. Identify and apply engineering principles/concepts.
5. Analyze and resolve technology problems.
6. Apply knowledge and skills to develop, interpret, and select appropriate technological processes.
7. Demonstrate the ability to think through a problem in a logical manner.
8. Organize and carry through to conclusion the solution to a problem.
9. Apply good communication skills.
10. Work in teams.

*Courses in italics are offered at other Connecticut Community Colleges.*

<sup>1</sup> See Program Advisor

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

## COMPUTER NUMERIC CONTROL (CNC) Certificate 2020-2021

**Advisors:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395  
Douglas Mooney, [dmooney@nwcc.edu](mailto:dmooney@nwcc.edu), 860-738-6401

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>MFG* 156</b>	Manufacturing Machinery – CNC I	2
<b>SEMESTER 2</b>		
<b>MFG* 258</b>	Manufacturing Machinery – CNC Operations	3
<b>SEMESTER 3</b>		
<b>MFG* 205</b>	Principles of CNC w/MasterCAM	3
<b>TOTAL CREDITS</b>		<b>8</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate the proper methods for the operation and set-up of CNC Milling and Turning machines and for shop safety, print reading, hand tools, measurement, layout work and fluids cutting.
2. Demonstrate the proper use of tools, programs, and machines used by machine operators and programmers.
3. Demonstrate the ability to cut parts efficiently and accurately contour, drill, pocket, face, peel mill, and engrave.

## MANUFACTURING DESIGN Certificate 2020-2021

**Advisors:** Sharon Gusky, [sgusky@nwcc.edu](mailto:sgusky@nwcc.edu), 860-738-6395  
Tara Jo Holmberg, [tholmberg@nwcc.edu](mailto:tholmberg@nwcc.edu), 860-738-6363

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>MFG* 156</b>	Manufacturing Machinery – CNC I	2
<b>MFG* 258</b>	Manufacturing Machinery – CNC Operations	3
<b>CAD* 220</b>	3D Parametric Design Solidworks	3
<b>TOTAL CREDITS</b>		<b>8</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Demonstrate the proper methods for the operation and set-up of CNC Milling and Turning machines and for shop safety, print reading, hand tools, measurement, layout work and fluids cutting.
2. Demonstrate the proper use of tools, programs, and machines used by machine operators and programmers.
3. Students will construct parts, solid models, assemblies, as well as generate orthographic drawings and add dimensions to produce engineering document package.



# MANUFACTURING PROCESSES

## Certificate

2020-2021

Advisors: Sharon Gusky, [susky@nwcc.edu](mailto:susky@nwcc.edu), 860-738-6395  
Tara Jo Holmberg, [tholmberg@nwcc.edu](mailto:tholmberg@nwcc.edu), 860-738-6363

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>EGR* 112</b>	Engineering Drawing Specs	3
<b>MFG* 124 &amp; MFG* 125</b>	Blueprint Reading I AND Blueprint Reading II	5
<b>MFG* 102</b>	Manufacturing Processes	3
<b>MFG* 103</b>	Manufacturing Processes Lab	1
<b>SEMESTER 2</b>		
<b>MFG* 202</b>	Precision Machining	3
<b>MFG* 203</b>	Precision Machining Lab	1
<b>TOTAL CREDITS</b>		<b>11</b>

### Program Outcomes

Upon successful completion of all program requirements, graduates should be able to:

1. Use common methods of machining to shape parts to specifications with the emphasis on traditional tool room machinery (lathes, milling machines, drilling machines and grinders).
2. Use common cutting and precision measuring tools and instruments and perform set-ups and procedures for milling machines, lathes, grinders, drill presses, and measuring instruments.
3. Read and interpret blueprints.



## GENERAL STUDIES

### Associate in Science Degree

### 2020-2021

The wide range of electives available in the General Studies curriculum permits the student who has not decided on a vocational or academic goal to explore various areas of study under the guidance of an academic advisor. With such advising, a student may create a program of study suitable as a foundation for transfer to a four-year college or university, or may concentrate gradually in a particular vocational area, or may select those courses of personal intellectual stimulation. This program's outcome is especially aligned with the General Education Outcomes for the College.

**Advisor: Assigned according to student's area of interest.**

*This is the suggested course sequence for full-time students who aim to graduate in two years.*

Course #	Course Title	Cr.
<b>SEMESTER 1</b>		
<b>ENG* 101</b>	Composition	3
<b>COM* BBG* 210</b>	Communication Elective <b>OR</b> Business Communication	3
<b>MAT*</b>	Mathematics Elective	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>SEMESTER 2</b>		
<b>ENG* 102</b>	Literature & Composition	3
<b>ELECTIVE</b>	Behavioral Science Elective	3
<b>ELECTIVE</b>	Social Science Elective	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>SEMESTER 3</b>		
<b>ELECTIVE</b>	Computer Science Elective	3
<b>ELECTIVE</b>	Natural/Physical Science Elective	3(4)
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>SEMESTER 4</b>		
<b>HIS*</b>	History Elective	3
<b>ELECTIVE</b>	Humanities or Fine Arts Elective	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>ELECTIVE</b>	Elective <sup>1</sup>	3
<b>TOTAL CREDITS</b>		<b>60(61)</b>

<sup>1</sup> No more than 15 credits in one subject area.

Electives to meet the needs and desires of the student, are planned through counseling. It is strongly recommended that at least one course be taken in the non-liberal arts to explore careers.

Please see page 24 for important information regarding this program and Fall 2023 opening of Connecticut State Community College.

#### Program Outcomes

The General Education component in all programs of study at NCCC, including the General Studies degree program, encompasses the following competency or knowledge-based learning outcomes:

1. Critical thinking skills.
2. Effective verbal, written, oral and visual communication skills.
3. Familiarity with multiple areas of traditional knowledge supporting intellectual excellence and openness.
4. Integrated studies among disciplines.
5. Commitment to social accountability and responsibility.
6. Awareness of the world at large.
7. Information literacy.
8. Appreciation for lifelong learning.

# COURSES

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## ONLINE EDUCATION / DISTANCE LEARNING

NCCC offers a wide variety of distance learning, both fully online and hybrid (a blend of online and face-to-face instruction) courses, for motivated individuals looking for some flexibility in obtaining their educational goals. Online courses do not meet on specific days or times; they generally operate on weekly assignments with specific due dates.

Distance Learning courses have the same educational objectives and demand the same commitment of time and effort as their on-campus versions. Distance Learning courses are offered primarily through the Blackboard learning management system and will include media-rich learning objects such as video, audio and digital print. Computer literacy, high speed access to the internet, the ability to produce word processed documents and view electronic presentations are required, as well as specific technical settings on the computer being used.

For instructions and information about online education, and the equipment needed, prospective students may turn to NCCC's distance learning web page.

## ONLINE COURSES

Online courses take place fully online and do not meet on specific days or times; they generally operate on weekly assignments and due dates. Please note: weather closures do not impact online classes, all due dates still apply unless specifically noted by your instructor.

## HYBRID COURSES

Hybrid courses combine face-to-face classroom instruction with computer-based learning. In Hybrid courses, a portion of the course learning is online and as a result, the amount of classroom seat-time is reduced. This allows the student much more flexibility in scheduling, while maintaining the face-to-face contact with the instructor that is typical of traditional education.

## SUPPLEMENTED / WEB-ENHANCED COURSES

Supplemented courses, also known as web-enhanced courses, use Blackboard course shells or other web-based applications to enhance learning. Instructors will notify students when the course utilizes these applications for supporting classroom material.

## ONLINE WITH CAMPUS REQUIREMENT (OLCR) COURSES

Online courses that have a campus (on-ground) requirement such as an orientation session or exam (or assessment in lieu of exam) will be identified as OLCR courses. The identification of a course marked OLCR will indicate that the actual instruction is entirely online but students will be required to participate on-ground at a campus orientation and/or assessment component.

## COURSE DESCRIPTIONS

The courses described are approved offerings of the College.

If the course description lists the consent of the instructor as a requirement, it should be obtained prior to registration.

The College reserves the right to withdraw courses and programs in which there is insufficient enrollment.

Students are urged to register as early as possible in order to have their enrollments counted when the decision to continue or withdraw a course offering is made, and also to ensure that they are enrolled in the sections of their choice.

Students interested in pursuing independent study in a particular subject area should consult the Dean of Academic & Student Affairs to determine the availability and requirements of such study.

## COURSE SEQUENCE

Courses in the following programs of study are listed by semester. Except in the cases of prerequisites, no exact sequence of courses is mandated, and students are free to select courses within their programs that are appropriate to any given semester. Students must see their academic advisor when selecting courses. To find out the name of your advisor call 860-738-6420. In general, however, first-year students should consider course schedules for their first two semesters that represent a mix of general education requirements, program requirements, and electives. All students are strongly advised to take an English sequence, a mathematics or natural science as required, and several courses in their chosen fields of study within the first year. Additionally, students usually take one or two of their restricted electives in the first year, filling requirements for social or behavioral science courses, for example.

Graduation plans include a suggested course sequence and are available for all academic programs in the office of Student Development in Greenwoods Hall Room 208.

It is important to note that all two-year degree programs consist of at least 60 credits and are based upon a student enrolling full time (15 credits or more) each semester. Those students who plan to enroll part-time or who are unsure of their fields of study should meet with an advisor to plan accordingly. Also, students should be aware that because of prerequisites and program requirements, some programs of study provide less flexibility in course sequence than others. All students should consult their faculty advisors prior to registration to ensure appropriate sequence of courses and elective choices.

## ACADEMIC SKILLS DEVELOPMENT

### ASD 010 STUDENT SUCCESS SEMINAR I

3 semester hours

Enhances the Deaf and Hard of Hearing student's successful transition from high school or the workplace to college. A wide variety of experiences focusing on self-assessment of learning style, academic goals, study skills, and independent living skills, helps the student develop knowledge and competency in a number of areas which are crucial to success in college. Does not fulfill degree requirements. Corequisites: ASD 012 AND ASD 086.

### ASD 012 SELECTED TOPICS FOR DEAF AND HARD OF HEARING STUDENTS I

3 semester hours

Develops knowledge key to a successful college experience for Deaf and Hard of Hearing students. Topics may include interpersonal relationships, linguistics of American Sign Language, career exploration, discussion and analysis of current events, and management of personal finances. Does not fulfill degree requirements. Corequisites: ASD 010 AND ASD 086.

### ASD 013 SELECTED TOPICS FOR DEAF AND HARD OF HEARING STUDENTS II

3 semester hours

Develops knowledge key to a successful college experience for Deaf and Hard of Hearing students. Topics may include but not be limited to job search techniques, discussion and analysis of current events, creative thinking and problem solving, using interpreters in academic and community settings, and psycho-social aspects of drug abuse. Does not fulfill degree requirements.

### ASD 084 PRE-ALGEBRA SKILLS

3 semester hours

Computational, problem solving, and analytical reasoning skills with an emphasis on step by step procedure. Topics covered: whole numbers, fractions, decimals, ratio and proportion, percent, measurement, calculator use, negative numbers, and an introduction to algebra. Does not fulfill degree credit requirements.

### ASD 086 ELEMENTARY READING AND GRAMMAR REMEDIATION

6 semester hours

An intensive course designed to improve competencies in English grammar and reading comprehension. In grammar, emphasis is placed on simple sentence structure. Students are introduced to: action, linking and helping verbs; the proper use of verbs in the simple and continuous present; the 8 major parts of speech; subject-verb agreement; consistent use of verb tense; and basic composition. In reading, emphasis is placed on vocabulary building, recognition of basic literary elements, and inference. Includes 2 hours/week lab in addition to class time. Open only to students who are Deaf or Hard of Hearing. Instruction employs TESOL techniques in an approach that integrates reading and writing. Does not fulfill degree requirements. Corequisites: ASD 010 AND ASD 012. Prerequisites: Satisfactory scores on the placement test.

### ASD 087 INTERMEDIATE READING AND WRITING REMEDIATION

6 semester hours

An intensive course in English writing and reading including a continued in-depth development of competencies introduced in Elementary Reading and Writing Remediation. In writing, students are introduced to or continue to develop competencies in: simple, continuous and perfect tenses (past, present and future); advanced parts of speech; simple, compound and complex sentence structures; punctuation; avoiding fragments, run-ons, comma splices and misplaced modifiers; parallelism; and writing expanded, unified compositions. In reading, emphasis is placed on building skills in vocabulary recall, identifying literary elements, locating main ideas, primary supporting points and supporting details, and inference. Includes 2 hours/week lab in addition to class time. Open only to students who are Deaf or Hard of Hearing. Instruction employs TESOL techniques in an approach that integrates reading and writing. Does not fulfill degree requirements. Pre-requisites: ASD 086 with a 'C' or higher OR permission of the instructor.

### ASD 092 ELEMENTARY WRITING AND READING SKILLS DEVELOPMENT

6 semester hours

A developmental course exclusively for Deaf and Hard of Hearing students focusing on improving reading comprehension skills, building a strong vocabulary, improving grammatical and mechanical writing skills, and writing unified, cohesive, clearly-expressed paragraphs. Instruction will employ TESOL techniques in an approach that integrates reading and writing. Does not fulfill degree requirements. Prerequisites: Satisfactory scores on the placement test.



## **ASD 093 INTERMEDIATE WRITING AND READING SKILLS DEVELOPMENT**

6 semester hours

A developmental course exclusively for Deaf and Hard of Hearing students focusing on developing specific comprehension skills for academic content areas through more advanced reading selections, building a strong college-level vocabulary, strengthening grammatical and mechanical writing skills, and writing basic level, unified, cohesive, well-supported essays. Instruction will employ TESOL techniques in an approach that integrates reading and writing. Does not fulfill degree requirements. Prerequisites: ASD 092 with a 'C' or higher.

## **ACCOUNTING**

### **ACC\* 113 PRINCIPLES OF FINANCIAL ACCOUNTING**

3 semester hours

Principles of Financial Accounting provides an introduction to the concepts and uses of financial accounting information in a business environment and its role in the economic decision-making process. Accounting is referred to as the language of business. In 1494 Luca Pacioli published the double-entry bookkeeping treatise which remains the foundation of accounting today. Pacioli is considered the father of accounting. "And yet five hundred years later his bookkeeping treatise remains the foundation of modern accounting and its system is still in use throughout the world. This is extraordinary" (Gleeson-White, 2012, p 30). The primary areas of study in this course include the theory of debits and credits, special journals, the accounting cycle, notes and interest, receivables and payables, accruals and deferrals, measurement and valuation of assets and liabilities, the determination of net income (profit) and the preparation and analysis of basic financial statements. Broad accounting topic areas to be covered include: accounting as an information system, measuring and reporting the operating cycle, measuring and reporting long-term assets and long-term liabilities, and expanded presentation and analysis of accounting information. Prerequisite: Eligibility for ENG\* 101W.

### **ACC\* 117 PRINCIPLES OF MANAGERIAL ACCOUNTING**

3 semester hours

Today's business environment is very dynamic and is in the midst of major structural changes. This course will examine the impact of these structural changes on the managerial accounting function. This course will be a combination of cost determination and management analysis. It will focus on traditional and contemporary modalities needed to support management's planning and expense control decisions. Topics include cost accounting systems, work flow processes and flow charting, control chart analysis, cost behavior relationships, forecasting, budgeting, variance analysis, capital expenditure decisions, analysis of financial statements, activity based and Balance Scorecard Accounting. Prerequisite: ACC\* 113 with a 'C' or higher.

## **AMERICAN SIGN LANGUAGE**

### **ASL\* 101 AMERICAN SIGN LANGUAGE I**

3 semester hours

This first course of study of American Sign Language (used by the Deaf community in the United States) is designed for students who have little or no previous knowledge of ASL. Visual-gestural communication techniques promote learning to think in pictures and concepts. Students learn the fundamentals of sign production and vocabulary, fingerspelling/numbers, basic structure of ASL grammar for simple conversation, and information related to Deaf Culture.

### **ASL\* 102 AMERICAN SIGN LANGUAGE II**

3 semester hours

This course is designed to continue the study of American Sign Language and the culture of Deafhood. Students refine receptive and expressive skills necessary to understand and utilize the language in its structure and format. Emphasis will be on accuracy of sign production/vocabulary (using the correct parameters as introduced in ASL\* 101). This course will also emphasize ASL sentence types, correct ASL grammatical structure, and conversational skills. Prerequisite: ASL\* 101 with a 'B' or higher.

### **ASL\* 201 AMERICAN SIGN LANGUAGE III**

3 semester hours

Building on ASL II, this course covers more complex ASL grammatical features and vocabulary, short stories, narratives, and dialogues. Students recognize the difference between present, past and future events in a range of signed material that includes familiar language in less familiar contexts. Students learn the application of complex sentence structures with appropriate non-manual markers (facial morphemes/grammar), classifiers, timeline referents (tense markers, temporal aspect) and the grammar used to convey sequence of events. Students whom have completed ASL courses at locations other than NCCC must be evaluated before registering for this course. Prerequisites: ASL\* 102, with a 'B' or higher AND permission of the Program Coordinator.

### **ASL\* 202 AMERICAN SIGN LANGUAGE IV**

3 semester hours

The primary goal of this course is to achieve a level of competency in ASL. Building on ASL III, this course expands on the development of American Sign Language (ASL) vocabulary and grammar, step-by-step processes, cause and effect, the use of two-to three-character role shifts. Students engage in narration, description, argument, and hypothesis with complex topics in paragraph-length discourse related to employment, current events, matters of public and community interest, and culturally significant topics relating to the Deaf community. Students also develop expressive and receptive skills in storytelling and dialogue and processing that is required for higher-level thinking in the field of interpreting and working with

the Deaf. Prerequisites: ASL\* 201, or equivalent, with a 'B' or higher AND permission of the Program Coordinator.

### **ASL\* 205 LINGUISTICS OF AMERICAN SIGN LANGUAGE**

3 semester hours

Surveys theory, methods and findings of linguistic research and how it relates to American Sign Language. A review of the historical views of ASL and the prominent people who have contributed to the acceptance of ASL as a modern language. Focus is on the comparison of English with ASL rules including, but not limited to, phonetics/parameters, syntax, grammatical structure and semantics. Prerequisites: ASL\* 101 AND ASL\* 102, both with a 'B' or higher, AND eligibility for ENG\* 101 or ENG\* 101W.

### **ASL\* 206 ADVANCED ASL FOR INTERPRETERS**

4 semester hours

When interpreting between English and ASL, in order to accurately convey the message, interpreters must understand linguistic and cultural influences (semantics, sign/word choices, and syntactic structures) on both the target and source languages. By expanding English vocabulary and analyzing the intended meaning of the message, students will expand their expressive and receptive skills for both ASL and English. Students will employ these expanded skills to accurately assess the intended meaning and convey the message using correct ASL grammar, body posturing and syntax without skewing the message when interpreting between English and ASL. Prerequisites: INT\* 103 AND ASL\* 201 AND ASL\* 205, all with a 'B' or higher, AND permission of the Program Coordinator.

## **ANTHROPOLOGY**

### **ANT\* 101 INTRODUCTION TO ANTHROPOLOGY**

3 semester hours

Introduces students to the principles, concepts, and methodology of anthropology. Also emphasizes human evolution, culture and its role in human experience, as well as an understanding of the nature of humans in different societies. Prerequisite: Eligibility for ENG\* 096.

### **ANT\* 105 INTRODUCTION TO CULTURAL ANTHROPOLOGY**

3 semester hours

This course introduces students to the principles, concepts and methodology of cultural anthropology. Applications will be drawn cross-culturally to illustrate universal aspects of cultural life such as political, social and kinship structures. Cultural constructs of race, ethnicity and gender will also be explored through the lens of religion, power and artistic expression. A humanistic approach will be applied when analyzing how people view and experience life in their ecological and political environment. Contemporary issues of cultural contact and change will be discussed with the objective of discovering ways and means of promoting intercultural understanding. Pre-requisite: Eligibility for ENG\* 101 or ENG\* 101W

## **ART & ART HISTORY**

### **ART\* 100 ART APPRECIATION**

3 semester hours

This course explores the constantly changing world of the visual art, focusing on the varied ways it can be appreciated. Elements and principles of art are studied, along with the artwork of selected artists from a variety of backgrounds, identities, regions and historical periods. A museum visit is required. Prerequisite: Eligibility for ENG\* 101W.

### **ART\* 101 ART HISTORY I**

3 semester hours (3 class hours)

Offered: Fall Semester

An extensive study of art and architecture derived from principal art historical periods in the west: Stone Age, Egyptian, Mesopotamian, Aegean, Greek, and Roman. The Medieval era will include Early Christian, Byzantine, Romanesque, and Gothic. The art and architecture of each succeeding era will be explored contextually and analyzed according to form, content, and continuity. Prerequisite: Eligibility for ENG\* 101W.

### **ART\* 102 ART HISTORY II**

3 semester hours (3 class hours)

Offered: Spring Semester

An extensive study of art and architecture derived from the three principal art historical periods of the west beginning with 13th century Italy, through the Renaissance and Baroque periods to the Modern World. The art and architecture of each succeeding era will be explored contextually and analyzed according to form, content, and continuity. Prerequisite: Eligibility for ENG\* 101W.

### **ART\* 111 DRAWING I**

3 semester hours (6 studio hours)

Offered: Fall Semester

Introduction to drawing concepts, principles, processes and materials. Topics include gesture, line quality, perspective, value, space, volume and composition. No previous art experience necessary.

### **ART\* 112 DRAWING II**

3 semester hours (6 studio hours)

Offered: Spring Semester

Continued exploration of drawing concepts, principles and processes presented in Drawing I. Contemporary concepts of space, abstraction and color media are introduced. Prerequisite: ART\* 111 with a 'C' or higher.

### **ART\* 113 FIGURE DRAWING I**

3 semester hours (6 studio hours)

Offered: Spring Semester

Introduction to drawing the human form, emphasizing both traditional techniques and a contemporary approach to the representation of the figure. Includes the nude figure, portraiture, and the figure in a still life environment. Prerequisite: ART\* 111 with a 'C' or higher.

**ART\* 121 TWO-DIMENSIONAL DESIGN**

3 semester hours (6 studio hours)

Offered: Fall Semester

Studio problems explore basic two-dimensional art elements: line, shape, value, color, space, principle of design, balance, harmony, contrast, and unity. No previous art experience necessary.

**ART\* 122 THREE-DIMENSIONAL DESIGN**

3 semester hours (6 studio hours)

Offered: Spring Semester

Studio problems explore basic three-dimensional art elements: line, plane, mass, volume, space, size, color, light, surface and context. Development of personal content using a variety of three-dimensional tools, materials and processes. No previous art experience necessary.

**ART\* 131 SCULPTURE I**

3 semester hours (6 studio hours)

Offered: Spring Semester

An introductory course in sculpture. Instruction in additive and subtractive sculptural methods. Studio activity will include modeling in low fire clay, plaster casting and stone carving. Projects include a sculpting portrait in clay and casting a hand from life. No previous art experience necessary.

**ART\* 133 POTTERY FOR NON-MAJORS**

3 semester hours (3 studio hours)

An introductory course in pottery. Students will gain an appreciation for pottery and create several hand-built and wheel-thrown works. A variety of surface treatments and glaze applications are explored. No previous art experience necessary.

**ART\* 138 NON-MAJOR DIGITAL PHOTOGRAPHY**

3 semester hours (3 studio hours)

This course, for non-art majors, explores the development of skills using practical applications of basic photographic principles. Topics include; content and composition of images, digital cameras and their multitude of functions, the use of image manipulation software, print finishing for on-line or print presentations, the history of photography and the creative aspects of genres in photography. Students will produce an e-portfolio, write research papers as well as produce images. Prerequisite: No previous art experience necessary. Eligibility for ENG\* 096.

**ART\* 144 DIGITAL PHOTOGRAPHIC IMAGING**

3 semester hours (6 studio hours)

The digital image is at the forefront of modern culture, from social media to the walls of the most prestigious galleries and museums in the world. Just as with traditional artistic mediums, once an artist has gained facility with digital technology, that artist's creative capacities and opportunities are greatly expanded. Students will explore the basics of professional digital image production through the use of digital cameras and computer technology. They will examine a broad range of digital skills and content creation in this course. One of the core concepts is that computer manipulation of digital content is no less an art medium than traditional art-making forms. Finally, students will produce digital images for print and screen-based presentation and understand the difference between the two. Prerequisite: No previous art experience necessary. Supply requirement: A digital camera, preferably a digital single reflex camera, is required (no cell phones).

**ART\* 151 PAINTING I**

3 semester hours (6 studio hours)

Offered: Fall and Spring Semesters

Introduction to the principles, processes and materials of oil painting. Topics include paint identification and application, use of color, basic spatial relationships, and composition. No previous art experience necessary.

**ART\* 152 PAINTING II**

3 semester hours (6 studio hours)

Offered: Spring Semester

An intermediate course in painting. Topics include spatial relationships, composition, abstraction, and self-expression. Prerequisite: ART\* 151 with a 'C' or higher.

**ART\* 161 CERAMICS I**

3 semester hours (6 studio hours)

Offered: Fall Semester

An introductory course with an emphasis on handbuilding and basic throwing. In handbuilding the focus will be on pinch, coil, and slab methods. In throwing, cylindrical forms will be explored. Instruction in glaze application and kiln loading. No previous art experience necessary.

**ART\* 176 DIGITAL VIDEO ART I**

3 semester hours (6 studio hours)

Offered: Spring Semester

An introductory course investigating digital video as an extension of the fine arts. Formal attributes, which make up the language of video, including time, sound, content, and composition, will be investigated as tools of expression and devices for creating meaning. Basic production techniques such as story boarding, cinematography, lighting, and editing will be acquired through creative problem solving. Through both a survey of historical and contemporary video art and in responding to collective and individual assignments, students will become critically observant and sensitive to video as a time based medium. No previous art experience necessary. Computer literacy is essential to be successful in this course.

**ART\* 187 MUSEUM TREASURES**

1 semester hour

A study of one or more of the permanent collections or special collections and special exhibitions of the great museums along New York City's "Museum Mile," The Fenway in Boston, or other locations.

**ART\* 249 PHOTOGRAPHY INDEPENDENT STUDY**

3 semester hours (6 studio/laboratory hours)

This course provides the student an opportunity to apply photographic skills in the development and execution of an independent and creative photography portfolio by using traditional darkroom techniques or digital techniques. Topics include portfolio proposals, identifying a creative style, advanced printing techniques, and skills in preparing advanced portfolios and exhibits. Prerequisite: Permission of Fine Art Faculty.

**ART\* 296 ADVANCED STUDIO**

3 semester hours (6 studio hours)

An advanced course in studio art where students develop a body of work for portfolio or exhibition. Studio problems address the relationship of form to personal content as well as contemporary issues in art. Students research ideas, execute visual journals and create original works using selected media. Prerequisite: ART\* 111 AND ART\* 112 AND ART\* 151, all with a 'C' or higher, OR permission of Fine Art Faculty.

**ART\* INDEPENDENT STUDIO STUDY**

1, 2 or 3 semester hours

119	Drawing
159	Painting
219	Figure Drawing
229	Design
239	Sculpture
249	Photography
259	Water Color
269	Pottery
233	Graphic Design

An opportunity to apply studio skills through the development and execution of independent creative art in various studio disciplines. Student's written objectives, procedures, and credit hours must be approved by the supervising faculty. A student may repeat the course however total credits earned may not exceed six. Prerequisites: Successful completion of appropriate courses (such as ART\* 122, 141, 152, 164, 211, and GRA\* 254), with a 'C' or higher, AND permission of Fine Art Faculty.

**ASTRONOMY****AST\* 111 INTRODUCTION TO ASTRONOMY**

4 semester hours (3 class hours/2 laboratory hours)

Offered: Spring Semester

**For non-science majors with strong math skills.** An introduction to the basic concepts of classical and modern astronomy and its application utilizing hands-on experiences. Topics include the principles of celestial coordinate systems; telescope design and use; fundamental physical laws and their applications; the evolution of stars, galaxies, and the universe; modern cosmology; and astrobiology. Students develop a working knowledge of the night sky through hands-on experiences with direct observations, computer simulations and applied use of a telescope in the required lab. The use of computers is an integral part of this course. Prerequisites: Eligibility for MAT\* 137X AND ENG\* 101.

**BIOLOGY****BIO\* 110 PRINCIPLES OF THE HUMAN BODY**

3 semester hours

Offered: Fall and Spring Semesters

**For non-science majors, education majors, social work majors, and pre-allied health students.** This course is an introduction to the basic biological principles that support human life, including cells as the basis of life and the organization and function of organs to organ systems. Students use a variety of resources from traditional readings to videos to podcasts to learn and evaluate relevant scientific content. Human body systems and selected diseases are also discussed. The use of computers and Blackboard are integral aspects of this course. This course can be taken with or without BIO\* 110L. This course cannot be used as the prerequisite for BIO\* 211, BIO\* 235, OR VET\* 201. Prerequisite: Eligibility for ENG\* 101W.



## **BIO\* 110L PRINCIPLES OF THE HUMAN BODY LABORATORY**

1 semester hour (2 laboratory hours)

Optional laboratory to accompany BIO\* 110 Principles of the Human Body lecture. Consult with a program advisor regarding the need for a lab science. Laboratory activities supplement BIO\* 110 lecture content. The structure and function of animal cells and human body systems will be explored. Corequisite/Prerequisite: BIO\* 110 Lecture.

## **BIO\* 121 GENERAL BIOLOGY I**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall, Spring, and Summer Semesters

**For biology majors AND natural resources majors.** This lab science course focuses on aspects of plant, animal and bacterial cell biology. Cellular biochemistry, including cellular respiration and photosynthesis, reproduction, genetics and evolution will be covered. The use of computers and Blackboard are integral aspects of the course. This course can be used as a prerequisite for BIO\* 211 and BIO\* 235. Prerequisite: Eligibility for ENG\* 101.

## **BIO\* 122 GENERAL BIOLOGY II**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Spring Semester, Even Numbered Years

**For biology majors, natural resources majors, and non-majors with an interest in science.** *General Biology I is NOT a prerequisite for this course.* This lab science course focuses on the biology of organisms across all six kingdoms of life. The origin and evolution of life, characteristics and adaptations of the separate kingdoms, and the nature of systems in biology are emphasized. Ecological relationships and current issues in biodiversity loss are also discussed. The use of computers and Blackboard are integral aspects of the course. Prerequisite: Eligibility for ENG\* 101.

## **BIO\* 127 CELL BIOLOGY WITH ORGAN SYSTEMS**

4 semester hours (3 class hours/2 laboratory hours)

Offered: Fall and Spring Semesters

**For allied health majors.** This lab science course covers principles of animal cell biology, including biological chemistry, cell structure and function, human genetics, cell division, cellular respiration, and protein synthesis. These concepts are applied to a study of the structure and function of the major organ systems of the human body. This course is intended to provide a strong background for Anatomy and Physiology. The use of computers and Blackboard are integral aspects of the course. The course can be used as a prerequisite for BIO\* 211 or 235. Prerequisite: Eligibility for ENG\* 101W.

## **BIO\* 155 GENERAL BOTANY**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Spring Semester, Odd Numbered Years

**For non-science AND science majors.** Plants are the featured organism in this lab science course. We will investigate the structure, reproduction, and physiology of all types of plants. Plant evolution is stressed as is their ecological, medical, cultural, and economical significance. Laboratory classes include offsite fieldwork trips for hands-on experiences in local identification and the role of plants in nature. Plants important to human society will also feature heavily in lab. The use of computers and Blackboard are integral aspects of the course. Prerequisite: Eligibility for ENG\* 101W.

## **BIO\* 178 GENERAL ECOLOGY**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall Semester

**For non-science AND natural resources majors.** Ecology is the study of interactions: between individuals of same or different species and between living and non-living parts of the Earth. This lab science course covers the basics of ecology, including how: Earth, populations, and communities have changed over time; various processes, including natural selection, can lead to new species; and organisms interact with each other and the physical environment. Current biodiversity and environmental issues are linked to class topics. Laboratory sessions consist primarily of required offsite field work in outdoor habitats of Connecticut's northwest corner. Data is collected for the use of international scientists by students in the areas of: population growth, competition, species interactions, trophic dynamics, habitat description, animal behavior, climate modeling, and biodiversity/community analysis. The use of computers and Blackboard are integral aspects of this course. Prerequisite: Eligibility for ENG\* 101W.

## **BIO\* 211 ANATOMY & PHYSIOLOGY I**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall Semester

This course is the first semester of a two semester sequence that provides a comprehensive study of the structure and function of the human body. Anatomy and Physiology I covers terminology, tissues, integumentary, skeletal, muscular, and nervous systems and their relationships to other systems. The physiology of movement is emphasized. Selected pathology examples are examined. Students study the relationship between structure and function using interactive physiology software, diagnostic imaging, dissection, and histology slides. The use of computers and Blackboard are integral aspects of this course. Corequisite: CHE\* 111 or CHE\* 121. Prerequisites: BIO\* 121 OR BIO\* 127, AND ENG\* 101 OR ENG\* 101W, both with a 'C' or higher.

## **BIO\* 212 ANATOMY & PHYSIOLOGY II**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Spring Semester

A study of the structure and function of the human body. Includes a detailed analysis of the nervous, endocrine, digestive, respiratory, circulatory, lymphatic, urinary and reproductive systems. Pathology and disease applications are covered. Students examine the relationship between structure and function using interactive anatomy software, laboratory dissection, interactive physiology software, and histology slides. The use of computers and Blackboard are integral aspects of this course. Prerequisite: BIO\* 211 with a 'C' or higher.

## **BIO\* 235 MICROBIOLOGY**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall and Spring Semesters

**Recommended for allied health and biology majors.**

**Required for natural resources majors.** Elements of microbiology including the structure, classification, and physiology of bacteria and viruses. Infection, immunity, and the destruction of microorganisms are emphasized. Laboratory includes sterile techniques, micro chemical analysis, and identification of unknowns. The use of computers and Blackboard are integral aspects of the course. Prerequisite: BIO\* 121 OR BIO\* 127, AND CHE\* 111 OR CHE\* 121, AND ENG\* 101 OR ENG\* 101W, all with a 'C' or higher.

## **BIO\* 270 ECOLOGY**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall Semester

**For biology majors AND natural resources majors.** This majors-level course serves as a deep inquiry of important ecological topics. Review, analyses, and discussion of scientific literature is a core of this course. Dynamic processes in populations, communities, and ecosystems are reviewed and investigated in both lab and lecture. Sub-topics include ecosystem characteristics and adaptations, biodiversity, genetics, speciation, trophic interactions, biogeochemical cycling, community energetics, conservation biology, and local/global ecological issues. Outdoor field laboratory studies are required. Problem-solving, scientific communication, and exposure to fine-scale ecological research techniques and applied statistics are stressed. Field labs provide context on topics covered in lecture and may include: physical constraints, population dynamics, competition, species interactions, habitat classification, community structure analysis, animal behavior, and conservation biology. The use of computers and Blackboard are integral aspects of the course. Prerequisite: ENG\* 101 OR ENG\* 101W, AND MAT\* 167 AND BIO\* 121, all with a 'C' or higher.

# **BUSINESS AND MANAGEMENT ADMINISTRATION**

## **BBG\* 101 INTRODUCTION TO BUSINESS**

3 semester hours

This course introduces the basic principles of business management and surveys a broad range of topics that relate to contemporary business practices. It explores business trends, business ownership and entrepreneurship, strategic management, human resource development, marketing, finance, information technology, and business career opportunities. Prerequisite: Eligibility for ENG\* 101W.

## **BBG\* 115 BUSINESS SOFTWARE APPLICATIONS**

3 semester hours

This hands-on course is designed for Business and Management Administration students to learn to use the popular Microsoft Office software packages as they relate to the business environment. The course focuses on using Word to efficiently produce professional documents, PowerPoint to effectively present and communicate, and Excel to build flexible spreadsheets used in business decision-making. A brief introduction to Outlook will also be included. Students will utilize their computing skills, techniques, and business knowledge to complete special business projects. Integration of effective communication of results, both written and oral are practiced. (Not open to students who have previously completed CSA\* 105.) Prerequisite: Eligibility for ENG\* 101 or ENG\* 101W.

## **BBG\* 210 BUSINESS COMMUNICATION**

3 semester hours

Good communication skills are critical to effective job placement, performance, career advancement, and organizational success. This course focuses on the development of skills in effective communication for personal, business, and professional use. It includes oral and written communication, nonverbal communication, listening skills, professionalism and business etiquette skills, team development, business oral presentations, job search skills, resume and cover letter preparation, and interviewing techniques. Prerequisite: Eligibility for ENG\* 101.

## **BBG\* 231 BUSINESS LAW I**

3 semester hours

A study of the legal rights, duties and responsibilities of owning a business. This course examines the components of common law, the legal system, contracts and torts. The course also covers areas of the Uniform Commercial Code, sales of goods, warranties, product liabilities, and corporate crime. Prerequisite: ENG\* 101 or ENG\* 101W with a 'C' or higher.

**BBG\* 234 LEGAL ENVIRONMENT OF BUSINESS**

3 semester hours

This course introduces the student to the structure of the American legal system and the impact that laws and regulations have on businesses. Major aspects of government regulation of business are explored, including negligence and product liability, employment and labor law, and intellectual property. Fiduciary duties, tort law, contract law, consumer law, and criminal liability will be examined, as well as business ethics and social responsibility, business restructuring, and bankruptcy. Prerequisite: ENG\* 101 or ENG\* 101W with a 'C' or higher.

**BBG\* 294 BUSINESS INTERNSHIP**

3 semester hours

This is a work experience course for outstanding business students who want a challenging opportunity to apply their knowledge and learn from experience in a business or community organization. Students are evaluated in an intern position obtained by the student and agreed upon by the supervisor of the cooperating worksite. Business interns are required to work a minimum of 120 hours during the semester and meet with the instructor on a regular basis. Students must complete and submit an application to the course instructor for review prior to enrolling in the class. Prerequisites: ENG\* 101 or ENG\* 101W, successful completion of 15 credit hours of study in business courses (with a 'C' or higher in all classes), AND consent of instructor.

**BFN\* 201 PRINCIPLES OF FINANCE**

3 semester hours

This course builds the baseline business finance skills needed to make sound quantitative/systematic business decisions. Topics include the concepts of financial analysis or the ability to not only manipulate financial data, but also to interpret the numbers so meaningful conclusions can be drawn; the time value of money; risk and return measures; firm valuation methods; corporate restructuring and capital structure.

Additionally, at some time during their growth and maturation, virtually every business will find itself in a financial crisis where insolvency is imminent and the business' continued existence as a going concern is in doubt. Students will be exposed to the theory and practice of corporate financial distress (including bankruptcy) and will learn how to evaluate the level of adversity of a distressed business. This is an upper level advanced course. Therefore, financial literacy is necessary. Prerequisites: ACC\* 113 AND BMG\* 202, both with a 'C' or higher.

**BMG\* 202 PRINCIPLES OF MANAGEMENT**

3 semester hours

Principles of Management is a course that covers in depth the theory and practice of management as a discipline and process. The Vision to Value Creation Model will be the primary tool employed to introduce the four major management principles – Planning (Strategic Value), Organizing (Organizational Design & Structure Value), Leading (21st century leadership value), and Controlling (Learning Value). Major topic areas include: The evolution, development and scope of management, growth performance measures and basic design school model strategic planning process, managing the corporate vision and mission in a continuously dynamic business landscape, 21st century leadership characteristics, and the challenge of leadership to create value through organizational alignment.

Emphasis will be given to the importance of managing in a global environment and in understanding the ethical implications of managerial decisions. Prerequisites: Eligibility for ENG\* 101W.

**BMG\* 210 ORGANIZATIONAL BEHAVIOR**

3 semester hours

Behavior is related to past events, thoughts, dreams, comments, and actions, and is weaved into values, beliefs, ideologies, interactional patterns, and activities. These characteristics when combined with the complexity of organizational structure can result in a wide performance range. Students will be exposed to organization theory, structure, design applications, and the management of organizational behavior in this course. Heavy emphasis on class participation and case studies. Prerequisites: PSY\* 111 and BMG\* 202, both with a 'C' or higher.

**BMG\* 220 HUMAN RESOURCE MANAGEMENT**

3 semester hours

Offered: Spring Semester

An introduction to Human Resource Management. Includes the functions of human resource management: job analysis and planning, recruiting, staffing, orientation and training, performance appraisal, career planning, compensating, and motivating. The diversity of the workforce and the legal content of employment decisions will also be studied. Prerequisites: ENG\* 101 OR ENG\* 101W, AND BMG\* 202, both with a 'C' or higher.

**BMG\* 250 WOMEN IN MANAGEMENT**

3 semester hours

This course explores a variety of issues affecting women in managerial roles. Focus will be on recognizing and overcoming barriers and equipping women with the skills needed to succeed as business leaders in the workplace. Topics include leadership and communication styles, gender and management style, the glass ceiling, workforce diversity, career development, networking, mentoring, work/life balance and others. Prerequisite: Eligibility for ENG\* 101.

### **BMK\* 140 RETAILING**

3 semester hours

Retailing principles and applications presented from a management perspective. Includes opportunities and trends, merchandise selection, inventory management promotional programs, pricing decisions, location decisions and financial analysis. Prerequisite: BMK\* 201 with a grade of 'C' or higher.

### **BMK\* 201 PRINCIPLES OF MARKETING**

3 semester hours

Offered: Fall semester

The dynamics of the marketing function in satisfying society's needs. Includes the economic, psychological, and sociological aspects of buying behavior and the elements of the marketing mix - products and services, promotions, pricing, and distribution. Prerequisites: BMG\* 202 with a 'C' or higher, or with concurrency, AND eligibility for ENG\* 101W.

### **BMK\* 220 SALES**

3 semester hours

Factors involved in effective selling. Methods of conducting sales presentations. Application of psychological and persuasive selling techniques. Development of characteristics for good salesmanship. Prerequisite: BMK\* 201 with a 'C' or higher.

### **BMK\* 230 ADVERTISING & PROMOTION**

3 semester hours

Advertising and Promotion covers in depth the advertising environment, process, media planning, and brand promotion. Advertising is a study in anthropology as the advertiser's intent is to convey an image of the product that includes origins, rituals, physical characteristics, environments, social relationships, and beliefs in a society over time. In other words, over time the advertised product/service takes on cultural attributes. It is no longer a product/service but a way of life, an attitude, a set of values, a look, an idea that evokes an emotional response. Prerequisite: BMK\* 201 with a 'C' or higher.

## **CHEMISTRY**

### **CHE\* 111 CONCEPTS OF CHEMISTRY**

4 semester hours (3 class hours/2 laboratory hours)

**For science majors and non-science majors with strong math skills.** Inorganic chemistry, elements, atomic structure, chemical and physical bonding, compound formation and chemical nomenclature, chemical reactions, thermo-chemistry, aqueous solutions, electrochemistry, and equilibrium. Laboratory related to material covered in lecture. The use of computers and Blackboard are integral aspects of the course. Not open to students who have completed CHE\* 121 or CHE\* 122. Prerequisites: Eligibility for MAT\* 186 AND ENG\* 101.

### **CHE\* 121 GENERAL CHEMISTRY I**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall Semester

**For science majors.** Principles, theories, and laws of chemistry dealing with chemical bonding, molecular formation, periodic trends, states of matter, gas laws, and thermochemistry. The use of computers and Blackboard are integral aspects of the course. Prerequisites: Eligibility for MAT\* 186 AND ENG\* 101.

### **CHE\* 122 GENERAL CHEMISTRY II**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Spring Semester

Chemical reaction theory, chemical kinetics, thermodynamics, gaseous equilibria, aqueous and nonaqueous solutions, acid-base theory, electrochemistry, coordination chemistry, environmental chemistry, organic and biochemistry. The use of computers and Blackboard are integral aspects of the course. Prerequisite: CHE\* 121 with a 'C' or higher

## **COLLEGE FORUM**

### **COL\* 100 COLLEGE FORUM**

1 semester hour

This College Forum course introduces strategies and skills for success at NCCC and beyond, within a listed discipline. Students will learn how to be proactive in their educational pursuits and how to access a broad range of support services that are available. This one credit class will help students navigate college and ultimately achieve their goals. Students will also develop basic computer skills including email, word processing, and web navigation through the use of Blackboard. Prerequisite: Eligibility for ENG\* 096.

## **COMMUNICATION**

### **COM\* 173 PUBLIC SPEAKING**

3 semester hours

Offered: Fall and Spring Semesters

Development of poise and self-confidence in speaking before an audience. Conversational tone and clarity of expression are stressed. Practice in basic ideas of public speaking: content, organization, audience appeal, and delivery. Prerequisite: Eligibility for ENG\* 096.



## COMPUTER AIDED DRAFTING

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### **CAD\* 220 3D PARAMETRIC DESIGN (SOLIDWORKS)**

3 semester hours

Offered: Spring Semester

This course introduces students to the engineering design processes utilizing the SolidWorks 3D computer-aided design modeling application software. Students will construct parts, solid models, assemblies, as well as generate orthographic drawings and add dimensions to produce engineering document packages. Proficiency with computers is required.

## COMPUTER APPLICATIONS

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### **CSA\* 105 INTRODUCTION TO SOFTWARE APPLICATIONS**

3 semester hours

Offered: Fall, Spring, and Summer Semesters

The computer plays a significant role as a productivity tool in many fields of study and employment. This course focuses on integrating comprehensive computing skills as a means to introduce students to the knowledge, skills, and techniques necessary to achieve proficiency in the Microsoft Office software applications suite (Word, Excel, PowerPoint, and Access). The computer operating system, file management operations, computer concepts, and vocabulary are included as integral elements to understanding the software applications environment. Students will examine productivity and computing procedures in workplace and academic settings, enhance their computer skills, and be able to critically apply these skills in various situations. Prerequisite: Eligibility for ENG\* 101W.

### **CSA\* 135 SPREADSHEET APPLICATIONS**

3 semester hours

Offered: Fall and Spring Semesters

A detailed development of the functions and applications of spreadsheet application software. The electronic spreadsheet, business graphics and data manager aspects will be explored, using the commands of Microsoft Excel for Windows. Upon completion of the basic fundamentals of functions and commands, the programming macros will be introduced, allowing the student to take full advantage of the power of spreadsheet software. Prerequisite: Eligibility for ENG\* 101W.

### **CSA\* 140 DATABASE APPLICATIONS**

3 semester hours

This course will introduce the student to the concept of a database management system and its integral role in today's workplace. The course will guide the student through the design, development and implementation of a database system using Microsoft Access. This hands-on course will introduce the student to the techniques and capabilities of Access, and how to utilize this database development program as a tool to solve common business problems. Prerequisite: CSA\* 105 with a 'C' or higher or with concurrency AND eligibility for ENG\* 101W.

### **CSA\* 205 ADVANCED APPLICATIONS**

3 semester hours

This course focuses on the advanced use of Microsoft Applications. It acquaints students with the proper procedures to create documents, presentations, and worksheets suitable for coursework, professional purposes, and personal use. An exercise-oriented approach will be utilized that allows learning by doing. Prerequisites: CSA\* 105 or BBG\* 115 with a "C" or higher.

## COMPUTER SCIENCE

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### **CSC\* 180 COMPUTER ETHICS**

3 semester hours

A study in the ethics of computer usage as it applies to the Internet. Issues discussed include privacy, speech and regulation of the Internet, security, intellectual property and codes of ethics and conduct. Case studies in each area will be examined. Prerequisite: Eligibility for ENG\* 101W.

### **CSC\* 213 OBJECT ORIENTED PROGRAMMING USING C++**

3 semester hours

Introduces students to the C++ programming language. Techniques for solving problems with both numerical and non-numerical applications will be explored, incorporating rules of syntax, expressions and operators. Sequential and direct-access file processing are discussed. Concepts and examples of data types, recursive & virtual functions, arrays, pointers, vectors, strings, namespaces, data abstraction with classes, objects, overloading, inheritance, and data structures are presented. Prerequisite: Eligibility for ENG\* 101W

### **CSC\* 214 ADVANCED C++ PROGRAMMING**

3 semester hours

Advanced programming and data structures are the focus of this course. Emphasis is placed on techniques and procedures appropriate to production of reliable and easily modifiable programs. Aggregate data types, advanced pointer usage linked lists, multilevel control breaks, sequential file updates, and random file update are explored. Prerequisite: CSC\* 213 with a 'C' or higher.

**CSC\* 220 OBJECT ORIENTED PROGRAMMING USING JAVA**

3 semester hours

A course in the Java programming language that uses modular programming and emphasizes object-oriented techniques. This course will address event driven programming in the Windows environment and interfaces to the Internet. Prerequisite: Eligibility for ENG\* 101W

**CSC\* 221 ADVANCED JAVA PROGRAMMING**

3 semester hours

Introduces advanced features of Java. Topics include collection classes, searching and sorting, multi-threading, parallel processing and database programming. Also delves deeper into data structure and file input and output. Students will learn a powerful language for cross-platform, object-oriented programming. Prerequisite: CSC\*220 with a 'C' or higher.

**CSC\* 231 DATABASE DESIGN I**

3 semester hours

Course covers the concepts of data organization for designing databases and creating business computer systems. Data schemes and structures, querying, searching, updating and editing, indexing, sorting, screen formatting, and linking files will be emphasized. Students will develop queries using standard SQL. Corequisite: CSC\* 250. Prerequisite: Eligibility for ENG\* 101W.

**CSC\* 232 DATABASE DESIGN II**

3 semester hours

This course addresses advanced topics in database management including SQL coding for database access with platform independence. Data normalization and relational algebra are covered as the theory of data access. Actual business scenarios will be developed, and solutions created for them. Prerequisite: CSC\* 231 with a 'C' or higher.

**CSC\* 250 SYSTEMS ANALYSIS & DESIGN**

3 semester hours

Introduction to analysis and design of business management systems through the three stages of business system design: analysis of information flow, systems specification and equipment, and selection and implementation of the system. Project management, requirements planning, feasibility analysis, and project estimating will be discussed. Corequisite: CSC\* 231. Prerequisite: Eligibility for ENG\* 101W.

**CSC\* 295 COOPERATIVE EDUCATION/WORK EXPERIENCE**

3 semester hours

This is a work experience course for computer systems technology students who want a challenging opportunity to apply their knowledge and skills in a business, education, or community organization. Students are evaluated in an intern position obtained by the student in collaboration with a faculty advisor, and agreed upon by the supervisor of the cooperating worksite. Students will engage in periodic written reports to the faculty advisor and site supervisor, and present final summaries of their field work experiences at the end of each semester. Students are required to work a minimum of 120 hours during the semester and have regular contact with their faculty advisor. Prerequisite: Consent of instructor.

**CSC\* 298 SPECIAL TOPICS IN COMPUTER SCIENCE**

3 semester hours

The topics and delivery method of this course vary. It may be a distance learning, online discussion class, centering on questions and issues of current computer topics, researched though the Internet. It may also target specific areas of computer hardware, software, networking, and telecommunications with focused hands-on modules. Prerequisite: Eligibility for ENG\* 101W.

**COMPUTER SYSTEMS TECHNOLOGY****CST\* 150 WEB DESIGN & DEVELOPMENT I**

3 semester hours

The design elements, organization, page layout, navigation, visual presentation and continuity are some of the topics to be included as subjects in this course. As a beginning course in the Web Design & Development program, this course will also cover Internet vocabulary and concepts as well as file management tasks. Students will use online resources to supplement any online presentations by the instructor, and will complete a website project using template software tools at host websites online. Prerequisite: Eligibility for ENG\* 101W.

**CST\* 180 NETWORKING I**

4 semester hours

An introduction to computer networking concepts. Topics include the functions of the ISO/OSI reference model; data link and network addresses; the function of a MAC address; data encapsulation; the different classes of IP addresses (and subnetting); and the functions of the TCP/IP network-layer protocols. The student learns to plan, design, and install an Ethernet LAN using an extended or hierarchical star topology; to select, install, and test cable and determine wiring closet locations; to perform beginning network maintenance, tuning, and troubleshooting along with basic documenting, auditing and monitoring of LANs. The course will prepare students for testing in Network+ certification. Prerequisite: Eligibility for ENG\* 101W.

### **CST\* 201 INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS (MIS)**

3 semester hours

An introductory course to provide a real-world understanding of information systems, giving students a foundation in business-related technology (IT). This course presents a balance of technical information and real-world applications. Students study innovative uses of information technology and its benefits and risks. Contemporary concepts such as supply chain management systems, data warehousing, business intelligence systems, knowledge management, Web-based electronic data interchange, and software as a service are topics covered in this course. Prerequisites: Eligibility for ENG\* 101W AND MAT\* 137X.

### **CST\* 210 OPERATING SYSTEMS**

3 semester hours

Topics include processor management, file systems, process management and scheduling algorithms, device management, memory management, and data integrity. The major operating systems of the various hardware platforms will be analyzed, including DOS, Android, IBM OS/2, Unix, Linux, and the Microsoft Windows family. Prerequisite: Eligibility for ENG\* 101W.

### **CST\* 250 WEB DESIGN & DEVELOPMENT II**

3 semester hours

This course covers the coding syntax to create various Web pages. JavaScript is the emphasis of the course. All of these topics follow the W3C guidelines. The World Wide Web Consortium develops interoperable technologies (specifications, guidelines, software and tools) to lead the Web to its full potential. The full scope of HTML techniques and the interactive capabilities of JavaScript are examined and implemented as students create their own comprehensive webpages on various platforms. Prerequisite/Corequisite: CST\* 150 with a grade of "C" or better.

## **CRIMINAL JUSTICE**

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The Criminal Justice Program strives to attain a high level of academic excellence and professionalism. As a Criminal Justice major, students are required to receive a grade of 'C' or higher in all Criminal Justice required courses. (Refer to the program requirements.) Any grade of "C-" or below must be repeated prior to graduating.

For information on Criminology see SOC\* 240. For information on Juvenile Delinquency see SOC\* 241.

### **CJS\* 101 INTRODUCTION TO CRIMINAL JUSTICE**

3 semester hours

Offered: Fall Semester and Spring Semester

Examination and overview of the criminal justice system covering police contact/arrest, to potential court involvement with prosecution/defense, incarceration and steps within the correctional system. Discretion, bail system, probation and parole are also discussed. Prerequisite: Eligibility for ENG\* 096.

### **CJS\* 102 INTRODUCTION TO CORRECTIONS**

3 Semester Hours

Offered: Spring Semester

A study of the history, philosophy, and evolution of corrections as well as the functions of U.S. jails and prisons. The course also examines the procedures used by state and federal courts that result in sentencing of offenders to penal institutions and community-based supervision and treatment programs. Course may require a visit to an actual correctional facility, if available. Prerequisites: CJS\* 101 with a 'C' or higher AND eligibility for ENG\* 101W.

### **CJS\* 120 POLICE AND THE COMMUNITY**

3 semester hours

Offered: Spring Semester

The purpose of this course is to provide an overview of the various aspects of the philosophy of policing known as Community Policing. Community Policing involves partnership among the police, the community and other government agencies and may be the answer to customer service. Classroom instruction involving specific aspects of Community Policing are supplemented with practical applications within nearby communities. Course may require a visit to a local Community Court. Prerequisite: Eligibility for ENG\* 101W.

### **CJS\* 211 CRIMINAL LAW I**

3 semester hours

Offered: Fall Semester

Examination and study of criminal statutes with the emphasis on theory and philosophy of law; relationship of law and society. Real life examples involving recent events are discussed. Prerequisite: CJS\* 101 with a 'C' or higher AND eligibility for ENG\* 101.

### **CJS\* 213 EVIDENCE & CRIMINAL PROCEDURE**

3 semester hours

Offered: Spring Semester

Supreme Court cases directly affecting law enforcement and criminal procedure involving state court decisions are discussed. Case studies including arrest procedures, probable cause, search and seizure, discretion, and suppression of evidence are discussed. Prerequisite: CJS\* 101, with a 'C' or higher, AND ENG\* 101 with a 'C' or higher (may be taken concurrently).

**CJS\* 220 CRIMINAL INVESTIGATION**

3 semester hours

Offered: Fall Semester

Fundamentals of criminal investigation; theory and history; crime scene to courtroom with emphasis on techniques appropriate to specific crimes. Students may be required to participate in a mock crime scene investigation where they will put into practice techniques learned in the classroom. Prerequisite: CJS\*101 with a 'C' or higher.

**CJS\* 225 FORENSIC SCIENCE**

3 semester hours

Offered: Spring Semester

Collection, identification, preservation, and transportation of physical evidence; crime laboratory capability and limitations; examination of physical evidence within the resources of the investigator; course will include demonstration of laboratory techniques. Prerequisite: Eligibility for ENG\* 101W.

**CJS\* 250 POLICE ORGANIZATION & ADMINISTRATION**

3 semester hours

Offered: Fall Semester

This course delves into the true relationship between upper management, police supervisors and subordinates. Issues such as police stress, morale, discipline and how to motivate an employee within law enforcement are discussed. Introduction to union matters, dealing with the press and the evaluation process are covered. Prerequisite: Eligibility for ENG\* 101W.

**CJS\* 280 VICTIMOLOGY**

3 semester hours

Introduction to the principles and concepts regarding crime victims and the study of the treatment, services and rehabilitation of victims. The course will cover victimology theory and practice issues. The focus is on understanding the dynamics of victimization, the impact on crime victims and the current status of victims' rights in Connecticut and the United States. Eligibility for ENG\* 101W.

**CJS\* 291 CRIMINAL JUSTICE PRACTICUM**

3 semester hours

Offered: Fall Semester

College-approved and supervised position related to the student's criminal justice program, obtained by the student with a public or private criminal justice/ public safety agency. Students are evaluated by a member of the college faculty and the staff of the cooperating agency. This course requires a mandatory meeting in late May in order to ensure placement for the fall semester. At this meeting students will receive a Field Manual and other materials necessary to secure a site placement. Prerequisites: 2.0 cumulative GPA AND 12 CJS\* credits with a 'C' or higher AND permission of instructor.

**CJS\* 298 Special Topics in Criminal Justice**

1 – 3 semester hours

OFFERED TO ALL STUDENTS

This course can be a series of one-credit courses or a three-credit course covering a wide variety of Criminal Justice topics. Any student taking the one-credit courses will receive one credit toward an Associate Degree while any student taking a three-credit course will receive three credits toward an Associate Degree. Students may elect to combine three of the one-credit courses to serve as an elective in a variety of college programs. Check with your advisor. While these one-credit courses will carry a CJ title, they are designed to attract students from other disciplines due to the fact of cross over interest. If taking the one-credit courses, students must attend both days to receive credit.

**DATA SCIENCE****DTS\* 201 DATA SCIENCE IN R**

3 semester hours

Introduction to the field of data science and the programming language of R. Explores the data science lifecycle, including question formulation, data collection and cleaning, exploratory data analysis and visualization, statistical inference and prediction, and decision-making. Focuses on quantitative critical thinking and key principles and techniques needed to carry out this cycle. No prior programming experience required. Prerequisite: MAT\* 167 with a 'C' or higher.

**DTS\* 220 INTRO TO MACHINE LEARNING FOR DATA SCIENCE**

3 semester hours

This course focuses on machine learning as an integral tool for data science, including how to use data to automatically understand the world, make complex decisions, and even predict the future. Several algorithms will be introduced along with which language (Python or R) is better suited for which algorithm based on the particular goal in mind. Programming language(s) will be used. Prerequisite: DTS\* 201 with a "C" or higher.

**DEAF STUDIES****DSC\* 101 VISUAL GESTURAL COMMUNICATION**

3 semester hours

A study of non-language aspects of communication and the importance of gestural skills used in a visual language such as American Sign Language. The adaptation of these skills with other sign language formations and variations is presented. Emphasis will be on eye training and the use of gesture, pantomime and body language as it relates to communicating with visually oriented individuals. Prerequisite: ASL\* 101 with a 'C' or higher.



**DSC\* 110 ORIENTATION TO DEAFNESS**

3 semester hours

An overview of Deafness that encompasses the nature and experience of Deafness; the education of Deaf children and adults; and the adult Deaf community. An explanation of Deafness from a Medical perspective including the anatomy of the ear and the causes and treatments of Deafness. An overview of the educational, psychological, social, and vocational aspects are considered. In addition, the potential careers and further education needed to work in careers with people who are Deaf and/or Hard of Hearing are presented and discussed. Prerequisite: Eligibility for ENG\* 101W.

**DSC\* 114 INTRODUCTION TO DEAF PEOPLE & DEAF CULTURE I**

3 semester hours

Analysis and discussion of the historical and cultural aspect of Deaf people. In the last decade, definitions of attitudes toward Deaf people have changed from a clinical perspective to a cultural perspective that identifies, respects and promotes Deaf Culture. An overview of Deafhood that will include the nature and experience of Deafhood; the education of Deaf children and adults; and the adult Deaf community. Classes may host guest lecturers from the Deaf community. Prerequisites: ASL\* 101 with a 'B' or higher (or with concurrency) AND eligibility ENG\* 101W.

**DSC\* 218 SELECTED TOPICS IN DEAF STUDIES**

3 semester hours

This course will focus on the current trends and events that have an influence on Deaf and Hard of Hearing individuals in society. The various agencies serving the Deaf will be researched, and analyzed. Current events in the world and how they impact the Deaf community will be topics of interest to report. Further topics may include the ongoing debates of education, medical breakthroughs, forms of communication, Deaf professionals, and other topics as deemed relevant as they relate to Deafness. Students will be required to visit and interview an employee of an agency serving the Deaf and create a presentation to pass in to the instructor. Prerequisites: ASL\* 102 with a 'B' or higher.

**DSC\* 219 AMERICAN SIGN LANGUAGE LITERATURE**

3 semester hours

Analysis and discussions of ASL poetry and storytelling as part of receptive/expressive language development and advanced skills enhancement. This course also includes storytelling techniques through the use of standard American folklore and other culturally valued forms of literature. Videos of Deaf poets, sign language stories and other esoteric aspects of Deaf Culture will be evaluated by the students. Prerequisite: ASL\* 101 with a "B" or higher and ASL\* 102 with a 'B' or higher (or with concurrency).

**DSC\* 222 FIELD EXPERIENCE IN DEAF STUDIES**

3 semester hours

Student work experience of fifty (50) hours in an approved agency or site providing services for Deaf people approved by the instructor. The instructor will provide students approved sites and agencies for them to contact and find placement. Report to the instructor weekly or online as instructor determines. Prerequisites: ASL\* 201 AND ASL\* 205 both with a 'B' or higher.

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**EARLY CHILDHOOD EDUCATION**

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**ECE\* 101 INTRODUCTION TO EARLY CHILDHOOD EDUCATION**

3 semester hours

Offered: Fall Semester

This course explores philosophies, methods, and materials dealing with early childhood education. Emphasis is placed on the roles and responsibilities of teachers working with young children and the practical aspects of the physical, cognitive, emotional, and social development of children. This course requires twelve (12) hours of observation (at an instructor-approved or NAEYC-accredited center) in order to receive credit. Field trips may be required. Offered as a hybrid. Prerequisite: Eligibility for ENG\* 101W OR permission of the instructor.

**ECE\* 103 CREATIVE EXPERIENCES FOR YOUNG CHILDREN**

3 semester hours

Offered: Spring Semester

Theory and approaches to creative art, movement, and dramatic activities for young children. Information on why and how these activities should be included in curriculum planning. Students are responsible for planning and presenting activities to young children in a preschool setting with a supervising teacher present. Field trips may be required. Offered onground. Prerequisite: Eligibility for ENG\* 101W OR permission of the instructor.

**ECE\* 106 MUSIC & MOVEMENT FOR YOUNG CHILDREN**

3 semester hours

Offered: Spring Semester

Basic techniques and skills for teaching music to young children will be explored in the course. Students will explore space, time, beat, rhythm, dance, movement, stories and song both creatively and traditionally to create a well-balanced music and movement program. Field trips may be required. Offered onground. Prerequisite: Eligibility for ENG\* 101W OR permission of the instructor.

**ECE\* 109 SCIENCE AND MATH FOR YOUNG CHILDREN**

3 semester hours

Offered: Spring Semester

This course will provide basic theories of teaching science and mathematics to young children. A variety of practical activities and ideas will be explored for classroom implementation. Topics include the number system, arithmetic, physical science, and life science. Field trips may be required. Offered onground. Prerequisites: ECE\* 101 with a 'C' or higher AND eligibility for ENG\* 101W OR permission of the instructor.

**ECE\* 141 INFANT/TODDLER GROWTH & DEVELOPMENT**

3 semester hours

Students will be developing caregiving and teaching techniques appropriate for children from birth to age 3 years. They will be concentrating on learning how to set up an environment which is responsive to infants' and toddlers' physical, cognitive, social, and emotional needs. Emphasis will be placed upon how the caregiver interacts with the young child to develop trust and learning. This course requires twelve (12) hours of infant/toddler observation in order to receive credit. Offered online. Prerequisite: Eligibility for ENG\* 101W OR permission of the instructor.

**ECE\* 176 HEALTH, SAFETY AND NUTRITION**

3 semester hours

Offered: Fall Semester

This course provides students with the development of activities and resources as the basis for an appropriate health curriculum that encompasses all aspects of a healthy child. Students will become aware of the interrelationships between child development and the areas of health, nutrition and safety. Students are responsible for planning and presenting lessons which include food preparation. This course requires twelve (12) hours of observation in order to receive credit. Field trips may be required. Offered onground. Prerequisites: ECE\* 101 with a 'C' or higher AND eligibility for ENG\* 101W OR permission of the instructor.

**ECE\* 182 CHILD DEVELOPMENT**

3 semester hours

This course is concerned with human development from prenatal through age eight with particular emphasis on the preschool child. The cognitive, creative, physical, personal, social and emotional benchmarks through successive stages of development will be studied in depth. This course requires twelve (12) hours of observation (at an instructor-approved or NAEYC-accredited center) in order to receive credit. Offered online. Prerequisite: Eligibility for ENG\* 101W OR permission of the instructor.

**ECE\* 206 ADMINISTRATION & SUPERVISION OF EARLY CHILDHOOD PROGRAMS**

3 semester hours

This course aims to develop knowledge of and professional attitude toward business, legal, and psychological issues of interest to in-home child care specialists and directors or owners of early childhood facilities. The goal of this course is to provide the student with guidelines for a career in a nurturing home day care and/or for establishing a child care center. This course requires twelve (12) hours of observation (at an instructor-approved or NAEYC-accredited center) in order to receive credit. Field trips may be required. Offered online. Prerequisites: ECE\* 101 AND ENG\* 101W AND at least one other ECE course, all with a 'C' or higher, OR permission of the instructor.

**ECE\* 210 OBSERVATION, PARTICIPATION & SEMINAR**

3 semester hours

Offered: Fall Semester

This course is designed to increase objectivity in observing and interpreting children's behavior, and increases the awareness of normal patterns of behavior. Observation and participation are used to gain experience and competency in working with young children. In addition to attending a weekly seminar, the student will observe and participate in an instructor-approved or NAEYC-accredited center for two (2) hours per week, with a required minimum of twenty-four (24) hours. Weekly seminar sessions with the instructor will be held to discuss and plan for the children's learning needs. Offered as a hybrid. Prerequisites: ECE\* 101 AND ENG\* 101W AND at least one other ECE course, all with a 'C' or higher, OR permission of the instructor.

**ECE\* 222 METHODS AND TECHNIQUES IN ECE**

3 semester hours

Offered: Spring Semester

This course is intended to train students in planning and implementing a developmentally appropriate curriculum designed to enhance the development of young children. Some components of K – 3 and all aspects of the pre-kindergarten curriculum will be discussed and examined. Students will have the opportunity to experiment with the curriculum using a variety of teaching styles. This course takes into account the multicultural backgrounds and interests of the students as well as the diverse backgrounds of the children they may encounter. This course requires twelve (12) hours of observation in order to receive credit. Offered as a hybrid. Prerequisites: ECE\* 101 AND ECE\* 210 AND ENG\* 101W, all with a 'C' or higher, OR permission of the instructor.

### **ECE\* 231 EARLY LANGUAGE & LITERACY DEVELOPMENT**

3 semester hours

Offered: Spring Semester

This course explores principles of language development in the young child with an emphasis on exploring how a child's cultural background and experiences influence emerging literacy. Immersion, constructive writing, inventive spelling, and other aspects of the whole language classroom will be studied. The focus will be on how the teacher's role is pivotal in this process. This course requires twelve (12) hours of observation in order to receive credit. Field trips may be required. Offered as a hybrid. Prerequisites: ECE\* 101 AND ENG\* 101W AND at least one other ECE\* course, all with a 'C' or higher, OR permission of the instructor.

### **ECE\* 275 CHILD, FAMILY, AND SCHOOL RELATIONS**

3 semester hours

Offered: Fall Semester

This course is an in-depth look at the child, family and the relationship between the school and the family. The course will review the socialization process and the development of the child/student as a social being. An understanding of the young child and age appropriate guidance for young children and an understanding of how and why effective communication with families and the community is essential in early education will be examined. This course requires twelve (12) hours of observation in order to receive credit. Field trips may be required. Offered as a hybrid. Prerequisite: ECE\* 101 AND ENG\* 101W, both with a 'C' or higher, OR permission of the instructor.

### **ECE\* 290 STUDENT TEACHING I & SEMINAR**

3 semester hours

Offered: Fall Semester

This course is a supervised observation and participation in the teaching experience. Students are required to have a hundred (100) hours a semester of clinical experience in an instructor-approved or NAEYC-accredited placement site. Weekly seminars are scheduled for discussion. Field trips may be required. This course requires fingerprinting and medical evaluation at the student's expense. Prerequisites: ECE\* 101 AND ENG\* 101W AND ENG\* 102 AND at least two other ECE courses, all with a 'C' or higher, AND current First Aid Certificate AND a 2.5 GPA in all ECE courses, AND permission of the Program Coordinator.

### **ECE\* 291 STUDENT TEACHING II & SEMINAR**

3 semester hours

Offered: Spring Semester

This is a continuation of Student Teaching I. One hundred (100) hours of student teaching is required in an instructor-approved or NAEYC-accredited placement site. During this phase of the work experience, the student will concentrate on working directly with young children. The overall objectives are for the student to be able to manage a classroom effectively, plan, organize, execute and evaluate classroom activities on a weekly basis and be able to evaluate objectively his or her emerging pre-teaching skills. The student will be under the supervision of an on-site supervisor as well as the College instructor. Weekly seminars will be required. Prerequisites: ECE\* 290 AND at least three additional ECE courses, all with a 'C' or higher, AND a 2.5 GPA in all ECE courses AND permission of the Program Coordinator.

## **EDUCATIONAL PARAPROFESSIONAL**

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### **EDU\* 102 EDUCATIONAL PARAPROFESSIONAL**

3 semester hours

This three (3) credit course will introduce core content area skills in reading, mathematics, and writing needed to prepare students for working as a paraprofessional in a public school setting. Students will gain an in-depth understanding about identified disabling conditions, related health issues prevalent among mainstreamed students, and how to implement prescribed strategies and initiatives that promote learning in a classroom or resource room setting. Through interactive activities, participants will become familiar with special education mandates and how they impact the delivery of service to special needs students in today's public school classrooms. Prerequisite: ENG\* 101W, with a 'C' or higher, OR permission of the instructor.

## **ECONOMICS**

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### **ECN\* 101 PRINCIPLES OF MACROECONOMICS**

3 semester hours

Economics is a social science and like the physical sciences is a tool for breaking down complex problems into simpler parts that can be analyzed one at a time (Nasar, 2011). Alfred Marshall, 1873, described economics as an "organon", an instrument or analytical tool used in acquiring a body of scientific principles. Consistent with scientific empirical experiments, Marshall envisioned that the governing dynamics of economic theory would continually require perfection (Nasar, 2010). Today, macroeconomics is concerned with the general state of a country's economy and the degree to which the economy uses and expands its capacity for producing goods and services. That is, the efficient and effective deployment of scarce resources.

As a result, macroeconomics deals with some of the most controversial and market system performance issues of our time-globalization, growth, uncertainty, inflation, taxes, interest rates, income determination, unemployment, budget deficits, GDP, currency valuation, foreign direct investment, financial crises, monetary policy, fiscal policy, and the role of government. Prerequisites: Eligibility for ENG\* 101W AND MAT\* 137X.

### **ECN\* 102 PRINCIPLES OF MICROECONOMICS**

3 semester hours

Microeconomics is the study of choices that individuals and businesses make and the influence that government has on price responses, market models, cost benefit analysis and rationality. Microeconomics covers microeconomics concepts, the characteristics of different competitive structures including perfect competition, monopolistic competition, oligopolies and monopolies and microeconomic models. The principles of economic cost and profit, economies, scale, marginal costs and utility. Prerequisites: Eligibility for ENG\* 101W AND MAT\* 137X.

## **ENGINEERING SCIENCE**

### **EGR\* 111 INTRODUCTION TO ENGINEERING**

3 semester hours

Students will be introduced to the fields of engineering through design and graphics and comprehensive engineering projects. Topics include: sketching, charts, graphs, forces, energy, electrical circuits, mechanisms, robotics, manufacturing technologies, and fundamentals of engineering economics. Prerequisites: Eligibility for ENG\* 101 AND MAT\* 186.

### **EGR\* 112 ENGINEERING DRAWING SPECIFICATIONS**

3 semester hours

Offered: Fall Semester

For manufacturing and engineering students. An introduction to the interpretation of engineering drawings beginning with the basics of orthographic projection. Topics include: working drawings, lines, linear and angular dimensioning, sectional views, tolerances and allowances, thread representation, arrowless and tabular dimensioning, steel specifications, auxiliary views, point-to-point and datum dimensioning conforming to ANSI Y14.5M and ISO standards.

### **EGR\* 211 ENGINEERING STATICS**

3 semester hours

Offered: Fall Semester

The main objective of this course is to develop in the engineering students the ability to analyze any problem in a simple and logical manner and to apply to its solution a few, well understood, basic principles. This course introduces the concepts of engineering based on forces in equilibrium. Topics include concentrated forces, distributed forces, forces due to friction, and inertia as they apply to machines, structures, and systems. Upon completion, students should be able to solve problems which require the ability to analyze systems of forces in static equilibrium. Prerequisite: MAT\* 256 or MAT\* 268 or MAT\* 286. Any one with a 'C' or higher (or with concurrency).

### **EGR\* 212 ENGINEERING DYNAMICS**

3 semester hours

Offered: Spring Semester

The main objective of this course is to develop in the engineering students the ability to analyze any problem in a simple and logical manner and to apply to its solution a few, well understood, basic principles. This course introduces students to the fundamentals of engineering dynamics, including rectilinear and curvilinear motion, translations, rotation, and plane motion; work, energy, and power; and impulse and momentum. The basic principles of dynamics are applied to engineering problems. Vector methods are covered. Prerequisite: EGR\* 211 with a 'C' or higher.

## **ENGLISH**

### **ENG\* 096 INTRODUCTION TO COLLEGE ENGLISH**

6 semester hours

This course prepares students for the reading and writing demands in Composition and other college-level courses by integrating reading, writing, and critical thinking. Student writing will focus on understanding, reporting on, reacting to, and analyzing the ideas of others. Texts will serve as models and sources for students to refine their skills in exposition, interpretation, and argumentation. Students learn and practice specific college-level skills through critical reading and writing, class discussions, lectures, group presentations, or workshops. This course does not satisfy an English requirement or an elective in any degree program, nor do its credits count toward graduation. Prerequisite: Satisfactory placement test scores.

### **ENG\* 101 COMPOSITION**

3 semester hours

An introduction to the principles of effective composition. The course focuses on expository rather than personal writing. Successful completion of a research paper is required. Practice in writing essays based on analysis of student and professional works. Prerequisites: ENG\* 096, with a 'C' or higher, or satisfactory placement test scores.



**ENG\* 101W COMPOSITION WITH WORKSHOP**

4 semester hours

Composition (ENG\* 101) focuses on the study and practice of effective written communication across a variety of rhetorical situations. The course develops skills in applying language conventions, engaging with and using authoritative sources, and crafting logical arguments. Composition with Embedded Support (ENG\* 101W) meets the same outcomes as ENG\* 101, but offers students additional support through supplemental instruction, increased time on task, focused workshops, and/or tutoring. Prerequisites: ENG\* 096, with a 'C' or higher, OR satisfactory placement test scores

**ENG\* 102 LITERATURE & COMPOSITION**

3 semester hours

Further practice in composition based on analysis of short stories, poetry, and drama. Includes additional practice in research techniques. Prerequisites: ENG 101 or ENG\* 101W, with a 'C' or higher.

**ENG\* 174 NEWS LITERACY IN THE AGE OF SOCIAL MEDIA**

3 semester hours

An introduction to the history and nature of news media's role in our society, and a thorough examination of how news organizations function. Substantial practice in distinguishing among news, opinion, propaganda and advertising, and in analyzing news stories and organizations for credibility and fairness. Prerequisite: Eligibility for ENG\* 101W.

**ENG\* 211 THE SHORT STORY**

3 semester hours

Close reading and analysis of short fiction. Includes both traditional forms and modern experimental prose. Lecture, discussion, group projects, films and writing essays. Prerequisites: ENG\* 102 with a 'C' or higher OR permission of instructor.

**ENG\* 221 AMERICAN LITERATURE I**

3 semester hours

Reading and study of examples of American literature from the colonial period to the mid-nineteenth century. The class will study significant writers of the time period and examine the development of the themes of individualism, idealism, opportunity, equality, and inclusion as they appear across a range of genres. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

**ENG\* 222 AMERICAN LITERATURE II**

3 semester hours

Reading and study of examples of American literature from the mid-nineteenth century to the present. The class will study significant writers of the time period and explore the themes of individualism, idealism, opportunity, equality, and inclusion as they appear across a range of genres. An overview of literary movements will be provided. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

**ENG 229\* TOPICS IN AMERICAN STUDIES**

3 semester hours

This course will examine the historical and literary definitions of what it means to be an American. Through historical documents, novels, short stories, and other sources, students will investigate how various events and ideas intertwined to define important aspects of American culture. Emphasis will be placed on individual readings and class discussion. Prerequisite: Eligibility for ENG\* 101 OR consent of the instructor.

**ENG\* 240 STUDIES IN WORLD LITERATURE**

3 semester hours

An exploration of universal themes and various cultural perspectives through readings, films, and discussions. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

**ENG\* 260 WOMEN'S LITERATURE I**

3 semester hours

The themes of love, work, and marriage will be explored as the heroines of these novels and stories are forced to make life choices, often between marriage and a vocation, individuality and society's narrow expectations. Authors include both established and neglected 19th and early 20th century American women writers, many of them surprisingly modern in their themes and writing styles. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

**ENG\* 262 WOMEN'S LITERATURE II**

3 semester hours

This course will introduce students to a variety of contemporary women writers. Focus will be on both the diversity and commonality of women's experience, as explored in 20th century short story, novel, and poetry. Several women writers may visit class to read and discuss their work. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

**ENG\* 266 GAY AND LESBIAN LITERATURE**

3 semester hours

This is a survey course in literature written by, about, or for gay men and lesbians in the twentieth and twenty-first centuries. We will study a variety of representations of homosexuality in a selection of fictional and non-fictional texts. The course will examine the concept of gay and lesbian literature as a genre in order to better understand the relationship between literary expression, personal identity, and our modern views on sexuality as a society.

The class is offered to students of all different sexual orientations and identities. This class is for those who are interested in gay & lesbian identity, whether this relates to someone who is transsexual, heterosexual, homosexual, bisexual, transgendered, queer, or of any other sexual orientation or identity. This class will be a safe space for any questions or comments related to the literature we read, class discussions, or other related themes that will emerge over the course of the term. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

## ENG\* 271 FILM AND LITERATURE

3 semester hours

The course examines film both as a genre and in its relationship to literature. Film is a relatively new art form that has only recently earned its place in both academic and popular culture as a leading medium for storytelling. The course will consider film techniques and will focus on how films tell stories that engage viewers in unique ways. The course will touch on the history of film and will consider the relationship of film to literature. Students will consider elements common to film and literature such as character development and presentation, narrative tension and structure, diction and point of view, as well as such innate differences as arise between a reader visualizing a literary text and an onlooker engrossed by a filmed moving image. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

## ENG\* 281 CREATIVE WRITING

3 semester hours

Composition in prose, poetry, or dramatic form. Assignments include a variety of writing styles, such as dialogue, argument, narrative, and description. Students will be expected to share their work and critiques within the class. Each student also submits for approval a lengthier project of his or her own choosing to complete by the end of the semester. Prerequisite: ENG\* 102 with a 'C' or higher OR permission of instructor.

## ENG\* 284 ADVANCED CREATIVE WRITING

3 semester hours

This course gives students the opportunity to continue their creative writing on a more intensive and complex level. Prerequisite: ENG\* 281 with a 'C' or higher OR permission of instructor.

## ENG\* 291 MYTHOLOGY

3 Semester hours

Heroes, monsters, quests, and romance! This course will examine enduring archetypes that run through world mythology. Myths are older than the written word, and they have shaped cultures for centuries. From Beowulf to Homer and Cinderella to Superman, these are the stories that help us make sense of the world. What do these stories have in common? And why do we continue to be drawn to these types of narratives? The course explores mythology through the ages from ancient monsters to medieval knights and princesses and even modern day superheroes. The course is offered fully online via Blackboard. Prerequisites: ENG\* 102 with a 'C' or higher.

## ENG\* 298 SPECIAL TOPICS IN LITERATURE OR WRITING

3 semester hours

This course gives students the opportunity to explore a more advanced topic in one area of literature or writing in greater depth. Topic will vary from semester to semester. Prerequisite: ENG\* 101 or ENG\* 101W with a 'C' or higher OR permission of instructor.

# ENVIRONMENTAL AND EARTH SCIENCE

## EAS\* 102 EARTH SCIENCE

3 semester hours

Offered: Spring and Summer Semesters

**For non-science, Natural Resources, AND education majors.** Offered online. The make-up of the solar system to conditions and processes of our modern Earth are explored in this course. Aspects of the universe, processes that form and reshape the rock of the Earth, dynamic features of bodies of water, and the rapidly changing atmosphere are all studied, along with current environmental and global issues as they relate to Earth Science. The use of computers and Blackboard are integral aspects of this course. Prerequisite: Eligibility for ENG\* 101W.

## EVS\* 100 INTRODUCTION TO ENVIRONMENTAL SCIENCE

3 semester hours

Offered: Fall, Spring, and Summer Semesters

**For non-science, education, AND natural resources majors.** Offered online, hybrid, and onground. Environmental science is applicable to all majors and areas of study. In this course, current environmental issues are examined in class discussions, short writing assignments, and hands-on projects. Ethics, values, attitudes, economics, and history are incorporated into discussions on the science and technology of climate change, biodiversity loss, overconsumption of resources, toxins, food production and availability, sources of energy, varied pollution, waste, and urbanization. The complexities of these wicked problems are stressed in addition to potential societal solutions. The use of computers and Blackboard are integral aspects of this course. Prerequisite: Eligibility for ENG\* 101W.

## EVS\* 135 EXPLORING ENVIRONMENTAL CAREERS

1 semester hour

Offered: Spring Semester

**For non-science, education, AND natural resources majors.** Offered online. Natural resources and environmental science are rewarding, important, and essential jobs in the United States and beyond. Students are able to use this 1-credit to personalize their own career exploration through selective profiles of careers in the environmental and natural resources fields, including academic, non-profit, business/industry, and government. Included are descriptions of job responsibilities and the skills and tools needed to be successful. Environmental work in New England is the focus with connections to broader trends nationally and globally. Open to anyone interested in environmental issues, sustainability, and career opportunities. Online discussions and assignments will accompany the materials presented.

## GEOGRAPHY

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### **GEO\* 101 INTRODUCTION TO GEOGRAPHY**

3 semester hours

Introduces basic principles, concepts, and methods of modern geography. Focuses on the physical environment and climate and their relationship to human settlement patterns, as well as the interrelationship between place and self. Prerequisites: ENG\* 101 OR ENG\* 101W with a 'C' or higher (may be taken concurrently)

### **GEO\* 111 WORLD REGIONAL GEOGRAPHY**

3 semester hours

Study of geographic relationships among natural and cultural environments of the world's major culture regions with specific reference to the non-western world. Prerequisites: Prerequisite: ENG\* 101 or ENG\* 101W with a 'C' or higher (ENG\* 101 may be taken concurrently)

## GERMAN

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These courses are designed to provide a basic foundation of the German language. The courses emphasize vocabulary, sentence structure, and grammar. In addition to studying the German language, we will also investigate German culture and history and its connection to language development.

### **GER\* 101 ELEMENTARY GERMAN I**

3 semester hours

Offered: Fall Semester

Prerequisite: Eligibility for ENG\* 101W OR permission of instructor.

### **GER\* 102 ELEMENTARY GERMAN II**

3 semester hours

Offered: Spring Semester

Prerequisite: GER\* 101 with a 'C' or higher and eligibility for ENG\* 101W OR permission of instructor.

## GRAPHIC DESIGN

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### **GRA\* 151 GRAPHIC DESIGN I**

3 semester hours (6 studio hours)

Offered: Fall Semester

An investigation of the creative and practical aspects of typography and page layout. It is an exploration of the development of type rendering, typographic principles, type anatomy and computer software skills. The vocabulary and history of typography as well as file management, output service bureaus, and final presentation will be discussed. Career possibilities in the field are discussed and the Macintosh computer is introduced. No previous graphic design experience necessary.

### **GRA\* 227 INTERACTIVE MEDIA**

3 semester hours (6 studio hours)

Offered: Fall Semester

This course provides an introduction to the principles and processes of interactive design specifically for web-based media. It will build on the principles and techniques learned in Graphic Design I & II. It will focus on the look and feel of interactive documents as well as the principles of aesthetics in regard to online information. Aspects of interactive media to be learned include: HTML & CSS, wireframing, interface design and using CSS. Project planning, proper file organization and working with clients will be discussed, as well as online culture and the use of the internet in society. Prerequisite: GRA\* 151 AND GRA\* 252, both with a 'C' or higher, OR permission of the instructor.

### **GRA\* 252 GRAPHIC DESIGN II**

3 semester hours (6 studio hours)

Offered: Spring Semester

Graphic Design II is a continuation of Graphic Design I. Instruction in image manipulation, typography, and page layout will be explored. Students will be gradually introduced to software packages through a series of graphic design problems. They will be instructed on current professional practices, methodologies, and the terms of Graphic Design. The last project leads students to production of documents for the internet. Prerequisite: GRA\* 151 with a 'C' or higher.

### **GRA\* 260 WEB DESIGN**

3 semester hours (6 studio hours)

Offered: Spring Semester

This course is an extension of the principles and processes of online design and development including design work for mobile devices. It will focus on the look and feel of sites as well as the principles of aesthetic layout and navigation. All aspects of web design will be learned including: HTML, CSS, CMS technology, digital image preparation, site maps, page layout, navigation, online type techniques and the inclusion of media rich elements such as digital video. Industry standards, ADA accessibility, online culture and the use of the internet in relation to society will also be discussed. Prerequisites: GRA\* 151 AND GRA\* 252 AND GRA\* 227, all with a 'C' or higher, OR permission of instructor.

### **GRA\* 291 GRAPHIC DESIGN PORTFOLIO**

3 semester hours (6 studio hours)

An independent study course designed to fit the individual needs of each student. Students will be placed in an internship. A mentor and the instructor will monitor progress. Permission from instructor and eportfolio required. Prerequisites: Permission of instructor.

## HEALTH CAREERS

### HLT\* 103 INVESTIGATIONS IN HEALTH CAREERS

3 semester hours

This course is designed to assist traditional and nontraditional college students to meet the expectations of a curriculum and a career in health related fields. The student will become familiar with the rigors of an educational program designed for health careers and the specific skills needed to maximize the student's opportunity for academic and clinical success. The student will have the opportunity to observe various health care career opportunities and how these professions function in the health care arena. The course will include a comprehensive overview of the duties and responsibilities associated with clinical competency. Interdisciplinary learning strategies, correlating clinical and didactic education, life management skills, work ethics, and critical thinking skills necessary for all health providers will be emphasized. Prerequisites: Eligibility for ENG\* 101W AND MAT\* 137X.

## HEALTH & PHYSICAL EDUCATION

### HPE\* 101 through 300 PHYSICAL ACTIVITIES

1 semester hour each (class times and requirements vary)

HPE courses include individual fitness programs, organized group classes, and competitive activities for students of all abilities and interests. HPE courses may be taken in multiple semesters.

### HPE\* 108 STRENGTH AND TONE

1 semester hour

Push yourself to the limit in this dynamic body conditioning class taught by an AFAA certified group exercise instructor. Consecutive high energy cardiovascular and strength training intervals using a variety of weights and training tools will help participants decrease fat and burn calories while increasing muscle strength and endurance in a pressure free environment. If necessary, modifications to exercises will be shown to suit individual needs and abilities. The instructor will carefully monitor all students for proper form and will make the necessary corrections to avoid any stress or injuries. Students must supply their own mat, hand weights (between 5 & 10 lbs.), resistance tubing and a 65 cm stability ball. This class may be taken only for a Pass/Fail grade, or on an Audit (non-grade) basis. Students must meet specified attendance requirements in order to earn a passing grade.

### HPE\* 261 YOGA

1 semester hour

This yoga course will be an integrative approach to yoga implementing all of the elements necessary to successfully complete a yoga practice or take it to another level. This class may be taken only for a Pass/Fail grade, or on an Audit (non-grade) basis. Students must meet specified attendance requirements in order to earn a passing grade.

### HPE\* 283 OUTDOOR CLIMBING

1 semester hour

Explore rock climbing outdoors in this beginner's course focused on basic technique, safety and the connection of climbing with overall well-being. This course functions around personal goal setting and general participation. Grading is not based on how far up students climb or any other measurement of physical ability/agility. The only physical requirement is that students be able to hike 20 minutes on moderate terrain. An orientation session will be held on campus, followed by three all-day climbing trips typically scheduled on Saturdays. Off-campus classes will require students to drive or car-pool to climbing locations in central and western Connecticut, and hike into the climbing area. Individuals with concerns about the physical nature of the class and their ability are encouraged to consult with the instructor prior to registering. This class may be taken only for a Pass/Fail grade, or on an Audit (non-grade) basis. Students must meet specified attendance requirements in order to earn a passing grade.

## HEALTH INFORMATION MANAGEMENT

### HIM\* 101 MEDICAL TERMINOLOGY

3 semester hours

This course introduces the language of medicine. It will cover the basic structure, spelling, definition, and pronunciation of medical and pathological terms including all organ systems, anatomy, physiology, diseases, diagnosis, and frequently used medical abbreviations. The basic structure of medical terms, including prefixes, suffixes, and roots are presented. The body systems are used as an organizational pattern to presenting these terms.

### HIM\* 102 INTRODUCTION TO HEALTH CARE SYSTEMS

3 semester hours

This course introduces the student to the field of health information technology. Topics to be covered include the healthcare delivery system, medical records format and content, various filing systems, the environment where the information is gathered, by whom the information is used, and the technology behind health information systems. Students will be able to describe the organizations, services, and personnel that comprise the healthcare delivery system. Students will understand the history and development of payment systems and insurance models and their impact on health, access to care, and quality of healthcare. Reimbursement issues will include the revenue cycle, coding systems, payment systems, and compliance. Prerequisite: Eligibility for ENG\* 096.



### **HIM\* 155 FUNDAMENTALS OF CLINICAL INFORMATICS AND ELECTRONIC MEDICAL RECORDS**

3 semester hours

This course provides the student an opportunity to investigate electronic information systems in healthcare. It integrates medical, administrative and clinical record management and computer technology for performing common medical practice functions in a simulated EMR. This course is meant to give the student an introduction to Clinical Informatics, and processes for collecting, using, sharing and maintaining patient health information. It offers students fundamental knowledge of health information systems, data management and regulatory concepts for both ambulatory and acute care settings. The course covers computer hardware and software components, network and World Wide Web technologies, health information standards, as well as hands-on exercises that use current industry EHR software simulations to transform theoretical EHR concepts into practical understanding. Prerequisites: MED\* 125 OR HIM\* 101 with a 'C' or higher.

### **HIM\* 201 HEALTH INFORMATION MANAGEMENT PRINCIPLES**

3 semester hours

This course covers health information management emphasizing sources, definitions, collection and presentation of health data and patient record practices. Students will learn the requirements of managing HIM departments and discover the profession of Health Information Management and the many different roles and credentials that are possible. Students will understand the content requirements of the medical record and will learn to evaluate compliance with regulations and standards for medical record documentation. The course will explain the significance of accuracy and integrity of healthcare data in the revenue cycle and in quality and performance improvement processes. Topics will include electronic data management, document and repository systems, indexes, registries, utilization review, risk management and quality assurance. Retention and destruction of medical records, production and accuracy of patient information, analysis and reporting for decision-making and strategy development, and HIPAA regulations will be covered. Prerequisites: MED\* 125 OR HIM\* 101 AND HIM\* 102, both with a 'C' or higher.

### **HIM\* 203 PATHOPHYSIOLOGY**

3 semester hours

This course provides an introduction to the study of functional changes that accompany human diseases, the pathology and general health management of disease and injuries across the human lifespan. The purpose of this course is to supply the student with basic understanding which will prepare them for the health care setting. This course is designed to the study of disease processes with emphasis placed on prevention and treatment of disease. The topics covered will be common diseases and disorders with emphasis given to cardiovascular, pulmonary, hepatic, renal and reproductive systems along with new and emerging diseases. Components of pharmacology will also be included for each category of diseases. Prerequisites: MED\* 125 OR HIM\* 101 with a 'C' or higher.

### **HIM\* 205 MEDICAL CODING I**

3 semester hours

This course introduces students to nomenclatures and classification systems used in healthcare. The course provides in-depth coverage of the ICD-10-CM and ICD-10-PCS coding systems. Students will begin with simple coding cases and advance to more complex coding and auditing. Healthcare reimbursement issues will be explored with emphasis on the need for documentation to support accurate code assignment and billing for healthcare services. Students will apply the Uniform Hospital Discharge Data Set (UHDDS). The ICD-10-CM will be compared to the DSM-5 codes for behavioral health. An overview of HCPCS, DRG's, ICD-9 and ICD-11, medical coding and the regulatory environment will also be included. Coding applications are considered by specialty and body system, incorporating medical terminology, anatomy and physiology. Students will gain hands on coding skills through data abstracting, chart note auditing, and medical record coding exercises. This course covers common coding terminologies, and a review of Insurance and Reimbursement topics used in healthcare delivery, electronic health records, reporting and management. Prerequisites: MED\* 125 or HIM\* 101 both with a grade of 'C' or higher.

**HIM\* 210 MEDICAL CODING**

3 semester hours

This course introduces students to nomenclatures and classification systems used in healthcare. The course provides in-depth coverage of the ICD-10-CM and ICD-10-PCS coding systems. Students will begin with simple coding cases and advance to more complex coding and auditing. Healthcare reimbursement issues will be explored with emphasis on the need for documentation to support accurate code assignment and billing for healthcare services. Students will apply the Uniform Hospital Discharge Data Set (UHDDS). The ICD-10-CM will be compared to the DSM-5 codes for behavioral health. An overview of HCPCS, DRG's, ICD-9 and ICD-11, medical coding and the regulatory environment will also be included. Coding applications are considered by specialty and body system, incorporating medical terminology, anatomy and physiology. Students will gain hands on coding skills through data abstracting, chart note auditing, and medical record coding exercises. This course covers common coding terminologies, and a review of Insurance and Reimbursement topics used in healthcare delivery, electronic health records, reporting and management. Prerequisites: MED\* 125 or HIM\* 101 both with a grade of 'C' or higher.

**HIM\* 211 ADVANCED MEDICAL CODING**

3 semester hours

This course covers nomenclatures and classification systems commonly used in electronic health records and reporting including Healthcare Common Procedures Coding Systems (HCPCS), Current Procedural Terminology (CPT), National Drug Codes (NDC), LOINC, Systematized Nomenclature of Medicine Clinical Terms (SNOMED), Procedure Coding System (PCS), and Diagnosis Related Groups (DRG). Coding applications are considered by specialty and body system, incorporating medical terminology, anatomy and physiology. Students will gain hands on coding skills through data abstracting, auditing of chart notes, and coding exercises for a variety of healthcare settings. Prerequisites: HIM\* 210 with a 'C' or higher.

**HISTORY****HIS\* 101 WESTERN CIVILIZATION I**

3 semester hours

A survey of ancient societies from classical Greece and Rome through Medieval Europe. Emphasis will be placed on the formation of ancient civilizations and the development of social and political institutions. Prerequisite: Eligibility for ENG\* 101W.

**HIS\* 102 WESTERN CIVILIZATION II**

3 semester hours

A survey of Western history from the Renaissance (ca. 1300) through the 20th Century. Emphasis will be placed on the development of modern nation states and institutions. Prerequisite: Eligibility for ENG\* 101W.

**HIS\* 201 U.S. HISTORY I**

3 semester hours

A survey of American history from the Colonial Era through the Civil War. Emphasis will be placed on the underlying trends and movements that helped to forge a nation and then threatened to tear it apart. Prerequisites: ENG\* 101 OR ENG\* 101W with a 'C' or higher OR ENG\* 101 with concurrency.

**HIS\* 202 U.S. HISTORY II**

3 semester hours

A survey of American history from the Civil War through World War II. Emphasis will be placed on the nation's internal development and its growth as a world power. Prerequisite: ENG\* 101 OR ENG\* 101W with a 'C' or higher OR ENG\* 101 with concurrency.

**HIS\* 213 THE U.S. SINCE WORLD WAR II**

3 semester hours

A survey of American history from World War II through contemporary times. Emphasis will be placed on foreign policy as well as major political, economic, and social trends. Prerequisite: ENG\* 101 OR ENG\* 101W with a 'C' or higher OR ENG\* 101 with concurrency.

**HIS\* 226 THE U.S. CIVIL WAR**

3 semester hours

A survey of American history from the Antebellum period through the Civil War and Reconstruction periods. Students will analyze the historical antecedents that led the United States into sectional conflict, and they will investigate the lasting effects of the Civil War on American society. Prerequisite: ENG\* 101 OR ENG\* 101W with a 'C' or higher OR ENG\* 101 with concurrency.

**HIS 229\* TOPICS IN AMERICAN STUDIES**

3 semester hours

This course will examine the historical and literary definitions of what it means to be an American. Through historical documents, novels, short stories, and other sources, students will investigate how various events and ideas intertwined to define important aspects of American culture. Emphasis will be placed on individual readings and class discussion. Prerequisite: Eligibility for ENG\* 101 OR consent of the instructor.

**HIS\* 242 MODERN IRELAND**

3 semester hours

A survey of Irish history from the ancient world through the 20th Century. Students will analyze the historical background of critical events in Irish history. Topics for discussion will include the role of nationalism in Irish history and the relationship between Ireland and the United Kingdom. Prerequisite: ENG\* 101 OR ENG\* 101W with a 'C' or higher OR ENG\* 101 with concurrency.

### **HIS\* 299 INDEPENDENT STUDY IN HISTORY**

1, 2 or 3 semester hours

Provides students with opportunities to apply their understanding of basic social science methodology in advanced and independent study/research projects. The specific objectives, procedures, and credit hours are established by the student in written form and approved in writing by the faculty member with whom the student will work before the execution of the intended project. A student may repeat the course but the total credits may not exceed six. Prerequisites: ENG\* 101 OR ENG\* 101W with a 'C' or higher OR ENG\* 101 with concurrency AND previous course work in history AND permission of instructor.

## **HUMAN SERVICES**

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### **HSE\* 101 INTRODUCTION TO HUMAN SERVICES**

3 semester hours

Offered: Fall and Spring Semester

The nature and implications of human services. Consideration of mental health; welfare; probation and school services; and public and private social services.

### **HSE\* 281 HUMAN SERVICES FIELD WORK I**

3 semester hours

Offered: Fall, Spring, and Summer Semesters

Work experience in a private or public agency under the supervision of the staff of the agency and of the College. Employment for a minimum of 180 hours is required. Weekly seminars to review work experiences and discuss problems and procedures. Prerequisite: HSE\* 101 with a 'C' or higher.

## **INTERPRETING: ASL/ENGLISH**

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Before registering for these courses, acceptance into the Interpreter Preparation major requires consent of the Program Advisor, Dr. Sarah Bement.

### **INT\* 103 PRE-INTERPRETING SKILLS**

3 semester hours

This course is designed to establish the requisite skills essential to subsequent interpreter preparation. Before students can be introduced to the models of interpreting, they must first learn how to analyze and understand incoming source messages. This foundational course will teach various techniques to effectively process information for meaning. This course is for interpreting students. Check with advisor before registering. Prerequisites: ASL\* 102 with a 'B' or higher.

### **INT\* 121 PROFESSIONAL STANDARDS IN INTERPRETING**

3 semester hours

An analysis and understanding of the Registry for Interpreters (RID) Code of Professional Conduct (CPC) that is required for those individuals seeking a career as a certified interpreter. Emphasis is on understanding and applying the CPC as is required for the RID National Interpreting Exam. Check with advisor before registering. Prerequisites: ASL\* 201 AND ASL\* 205 AND INT\* 103, all with a 'B' or higher.

### **INT\* 213 INTERPRETING I: CONSECUTIVE**

4 semester hours

Students are presented with the technique of consecutive interpreting as a skill development tool for increasing the skills needed to comprehend, organize and plan the message equivalence as a practice form for simultaneous interpreting. Students will expressively and receptively interpret from both recorded texts and live speakers in a consecutive format. Additionally, up to 20 hours of interaction native Deaf signers and observation of interpreters in the Deaf community is required to enhance cultural identity and improve communication skills. This course is for interpreting students. Check with advisor before registering. Prerequisites: ASL\* 202 AND ASL\* 206 AND INT\* 103 AND INT\* 121 all with a 'B' or higher.

### **INT\* 214 ADVANCED INTERPRETING: SIGN-TO-VOICE**

3 semester hours

Student will learn the skills needed to voice Deaf peoples' signed message using the correct English equivalence without changing the intended meaning. Practice with both taped lectures and live Deaf guests will be included in the classroom and outings. Skill building will include team interpreting for various settings. This course is for interpreting students. Check with advisor before registering. Prerequisites: ASL\* 202 AND ASL\* 206, both with a 'B' or higher.

## **INT\* 215 INTERPRETING II: SIMULTANEOUS**

4 semester hours

This course is a continuation of the skills needed for interpreting from English-to-ASL and ASL-to-English interpreting. The focus is on the practice of the skills used in the simultaneous interpreting mode. This course will develop the interpreting skills needed to process a continuous message from the Source Language to the Target Language. Expressive and receptive skills will continue to be developed to assist students in producing messages in proper ASL form. Team interpreting is introduced and practiced. Additional strategies for providing peer feedback are developed and refined. Classroom experiences will provide experiential opportunities to practice and hone skills introduced in class presentations. Occasionally experiential hours will be satisfied at off-site locations. This course is for interpreting students. Check with advisor before registering. Corequisite: INT\* 242. Prerequisites: ASL\* 202 AND ASL\* 206 AND INT\* 213 AND INT\* 121 AND INT\* 234, all with a 'B' or higher.

## **INT\* 234 EDUCATIONAL INTERPRETING W/ SPECIALIZED POPULATIONS**

This course is designed to give students an understanding of the legislation impacting the education of Deaf children. Students are introduced to factors impacting a Deaf child's development and the ability to identify and develop the skills and knowledge necessary to interpret for specialized populations in the Deaf community. A study of specialized populations in the Deaf community including, but not limited to, deaf-blind, aural/oral, the autism spectrum and other behavioral, emotional, physical and mental disorders. Additional focus will include factors influencing the interpreting process and the impact these may have on the registry of interpreters for the Deaf code of professional conduct. This course is for interpreting students. Check with advisor before registering. Prerequisites: ASL\* 201 AND INT\* 103 AND INT 121, all both with a 'B' or higher, OR permission of the instructor.

## **INT\* 242 INTERPRETING PRACTICUM & SEMINAR**

4 semester hours

The student will complete at least eighty (80) hours of practical work experience in preapproved, supervised settings to conform with state laws. This course will also provide an open forum for discussing questions and concerns arising from the student's observation of interpreted situations and individual practicum experiences. In addition, students will prepare for securing professional positions upon graduation and establish professional development goals for achieving national interpreter certification. Program experience portfolio presentation will be required at the end of the semester. Corequisites: INT\* 215. Prerequisites: INT\* 121 AND INT\* 213 AND INT\* 214 AND INT\* 234, all with a 'B' or higher, AND permission of instructor.

# **MANUFACTURING**

## **MFG\* 102 MANUFACTURING PROCESSES**

3 semester hours (offered in 8 week session)

This course explains common methods of machining used to shape parts to specifications with the emphasis on traditional tool room machinery (lathes, milling machines, drilling machines and grinders). Related topics also include shop safety, hand tools, measurement, layout work and cutting fluids. Students will apply classroom lessons to the fabrication of parts in the lab course. Corequisite: MFG\* 103.

## **MFG\* 103 MANUFACTURING PROCESSES LAB**

1 semester hour (offered in 8 week session)

This course provides laboratory emphasis on common cutting tools and lathe operations, as well as on associated precision measuring tools and instruments. The labs will involve set-ups and procedures for milling machines, lathes, grinders, drill presses, and measuring instruments. Corequisite: MFG\* 102.

## **MFG\* 148 SOLDERING AND ELECTRONICS**

3 semester hours (offered in 8 week session)

This course covers topics in soldering, electronic components, and manufacturing of printed circuit board assemblies. Students will prepare and complete projects that utilize their acquired skills in accordance with the industry standards and their own technique. In addition, students may be able to take the IPC certification exam at the end of the course.

## **MFG\* 156 MANUFACTURING MACHINERY - CNC I**

2 semester hours (offered in 8 week session)

This course explains methods for operating and set-up of CNC Milling and Turning machines. Related topics also include shop safety, print reading, hand tools, measurement, layout work and cutting fluids. Students will apply classroom lessons to the fabrication of parts on CNC equipment. Prerequisites: MFG\* 102 AND MFG\* 103, both with a 'C' or higher.

## **MFG\* 180 CHEMICAL TECHNOLOGY**

2 semester hours

This course explains methods for mixing batches of chemicals in an industrial setting. Related topics also include safety, reading instructions, mixing, measurement, and quality. Students will apply classroom lessons to the measuring and mixing of batches of chemicals.



### **MFG\* 202 PRECISION MACHINING**

3 semester hour (offered in 8 week session)

This course explains common methods of machining used to shape parts to specifications with the emphasis on traditional tool room machinery (lathes, milling machines, drilling machines and grinders). Related topics also include shop safety, hand tools, measurement, layout work and cutting fluids. Students will apply classroom lessons to the fabrication of parts in the lab course. Corequisite: MFG\* 203 Prerequisite: MFG\* 102 AND MFG\* 103, both with a 'C' or higher.

### **MFG\* 203 PRECISION MACHINING LAB**

1 semester hour (offered in 8 week session)

This course provides laboratory emphasis on common cutting tools and lathe operations, as well as on associated precision measuring tools and instruments. The labs will involve set-ups and procedures for milling machines, lathes, grinders, drill presses, and measuring instruments. Corequisite: MFG\* 202 Prerequisite: MFG\* 102 AND MFG\* 103, both with a 'C' or higher.

### **MFG\* 205 PRINCIPLES OF CNC WITH MASTERCAM**

3 semester hours

This course is an introduction to computer numerical control (CNC) programming of 2- and 3-axis machine tools by generating 2D and 3D geometries using Mastercam® software. Topics include an introduction to CNC programming coding, set-up, tooling, operation, and troubleshooting based on industry print standards. Students learn the basic principles and applications of numerically controlled software and hardware and experience the set up and operation of CNC milling machines and lathes.

Prerequisite: MFG\* 258 with a C or higher

### **MFG\* 258 CNC OPERATIONS**

3 semester hours (offered in 8 week session)

This course covers 3-axis CNC machining centers and 2-axis turning centers. It is designed to help the student understand the processes, tools, programs, and machines used by machine operators and programmers. Related topics also include shop safety, print reading, hand tools, measurement, layout work and cutting fluids. Students will apply classroom lessons to part programming for the purpose of fabricating parts on CNC equipment. Prerequisite: MFG\* 156 with a 'C' or higher.

## **MATHEMATICS**

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### **MAT\* 094 INTRODUCTORY ALGEBRA**

4 semester hours

Offered: Fall and Spring Semesters

This course includes a study of the basic properties and theorems of rational numbers, expressions and equations with polynomials, rational and radical expressions, integer exponents, linear equations in one and two variables, systems of linear equations in two variables, functions, and applications in geometry and algebra. *Credit does not fulfill degree requirements and is not transferable outside the Connecticut Community College system.* Prerequisite: Satisfactory placement test scores, SAT, OR ACT.

### **MAT\* 137 INTERMEDIATE ALGEBRA**

3 semester hours

Offered: Fall and Spring Semesters

This course is a further study of algebra and mathematical modeling of functions and relations represented by tables, graphs, words, and symbols. Polynomial functions and expressions with special attention to linear, quadratic, exponential, rational, and radical functions are studied. There is an emphasis on modeling and applications for all topics. *This course fulfills graduation requirements in many degree programs at NCCC. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern. MAT\* 137 typically transfers as a general elective, not as a math course.* Prerequisite: MAT\* 094 with a 'C' or higher OR satisfactory placement test scores, SAT, ACT, OR GED.

### **MAT\* 137P INTERMEDIATE ALGEBRA, PRECALCULUS PREPARATION**

4 semester hours

Offered: Fall and Spring Semesters

This course is a further study of algebra and mathematical modeling of functions and relations represented by tables, graphs, words, and symbols. Polynomial functions and expressions with special attention to linear, quadratic, exponential, rational, and radical functions are studied. There is an emphasis on modeling and applications for all topics. This course meets for an hour longer each week than MAT\*137 to allow for more time to cover topics that are useful in MAT\* 186. *This course fulfills graduation requirements in many degree programs at NCCC. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern. MAT\* 137P typically transfers as a general elective, not as a math course.* Prerequisite: MAT\* 094 with a 'C' or higher, OR satisfactory placement test scores, SAT, ACT, OR GED.

**MAT\* 137X INTERMEDIATE ALGEBRA, EXTENDED**

4 semester hours

Offered: Fall, Spring, and Summer Semesters

This course is a further study of algebra and mathematical modeling of functions and relations represented by tables, graphs, words, and symbols. Polynomial functions and expressions with special attention to linear, quadratic, exponential, rational, and radical functions are studied. There is an emphasis on modeling and applications for all topics. This course meets for an hour longer each week than MAT\*137 to allow for more time to work on problems in class, and to review Elementary Algebra concepts as needed. This course fulfills graduation requirements in many degree programs at NCCC. *Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern. MAT\* 137X typically transfers as a general elective, not as a math course.* Prerequisite: MAT\* 094 with a 'C' or higher, OR satisfactory placement test scores, SAT, OR ACT.

**MAT\* 167 PRINCIPLES OF STATISTICS**

3 semester hours

Offered: Fall, Spring, and Summer Semesters

Basic concepts used in collecting, presenting, and analyzing data; descriptive statistics, probability, distributions, sampling theory, statistical inference to include hypothesis testing, regression, and correlation. The use of the micro-computer for data analysis is an integral part of the course. *This course fulfills graduation requirements at Northwestern, and will transfer to a Bachelor's Degree program as a mathematics course. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern.* Prerequisite: MAT\* 137 OR MAT\* 137X OR MAT\* 137P OR MAT\* 137M, with a 'C' Or higher, OR satisfactory placement test scores, SAT, OR ACT.

**MAT\* 186 PRECALCULUS**

4 semester hours

Offered: Fall and Spring Semesters

An exploration of functions and their graphs. Polynomial, rational, exponential, logarithmic, and trigonometric functions and their behaviors in a two-dimensional graphing system will be examined and used to model real life situations. Students will also be introduced to the calculation of limits and derivatives. The use of a graphing calculator is an integral part of this course. *This course fulfills graduation requirements at Northwestern, and will transfer to a Bachelor's Degree program as a mathematics course. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern.* Prerequisite: MAT\* 137 OR MAT\* 137X OR MAT\* 137P OR MAT\* 137M, with a 'C' Or higher, OR satisfactory placement test scores, SAT, OR ACT.

**MAT\* 222 STATISTICS II WITH TECHNOLOGY APPLICATIONS**

3 semesters hours

Designed for those students who desire a more in-depth study of statistics, especially those wishing to transfer to a four-year institution. This data-driven course will cover the following topics: two variable hypothesis testing, statistical inference about means and proportions with two populations, linear regression and correlation, multiple regression, analysis of variance, inferences about population variances, goodness of fit and independence, chi-squared tests, and nonparametric methods. Statistical software is integrated in this course. Prerequisite: MAT\*167 or equivalent with a 'C' or better.

**MAT\* 254 CALCULUS I**

4 semester hours

Offered: Fall Semester

Plane analytic geometry, functions, limits, continuity, derivatives, differentiation of algebraic functions, applications of the derivative, antidifferentiation, the definite integral, and an introduction to transcendental functions. *This course fulfills graduation requirements at Northwestern, and will transfer to a Bachelor's Degree program as a mathematics course. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern.* Prerequisite: MAT\* 186 with a 'C' or higher OR satisfactory placement test scores, SAT, OR ACT.

**MAT\* 256 CALCULUS II**

4 semester hours

Offered: Spring Semester

Differentiation and integration of trigonometric, exponential, and inverse functions, parametric equations, methods of integration and applications of the definite integral, hyperbolic functions, infinite series. *This course fulfills graduation requirements at Northwestern, and will transfer to a Bachelor's Degree program as a mathematics course. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern.* Prerequisite: MAT\* 254 with a 'C' or higher.

**MAT\* 268 CALCULUS III: MULTIVARIABLE**

4 semester hours

Offered: Fall Semester

A course in multivariable calculus for math or science majors. Topics include plane curves, parametric equations and polar coordinates, vectors and solid analytic geometry, vector-valued functions, functions of several variables, partial differentiation, and multiple integration. *This course fulfills graduation requirements at Northwestern, and will transfer to a Bachelor's Degree program as a mathematics course. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern.* Prerequisite: MAT\* 256 with a 'C' or higher.

## **MAT\* 286 DIFFERENTIAL EQUATIONS**

4 semester hours

Offered: Spring Semester

An introductory course in differential equations. Solution methods for differential equations including selected first order equations, nth-order equations, and systems of linear equations using matrix techniques, Laplace transforms, and numerical methods. Series techniques for selected linear differential equations including Bessel's equation will be considered. Computer software and/or graphing calculators will be integrated as appropriate throughout the course. Recommended for science and engineering students. *This course fulfills graduation requirements at Northwestern, and will transfer to a Bachelor's Degree program as a mathematics course. Check with your Academic Advisor if you intend to transfer to a 4-year college or university and wish to complete your math requirements while at Northwestern.* Prerequisite: MAT\* 268 with a 'C' or higher.

## **MEDICAL ASSISTING**

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### **MED\* 111 ADMINISTRATIVE MEDICAL ASSISTING**

3 semester hours

This course covers the theory, practice and techniques of medical office management and an overview of the profession of medical assisting and its role in providing quality health care. Healthcare administrative functions, including office responsibilities, safety in the office environment, communication techniques, medical records management, scheduling, professionalism and legal and ethical issues will be emphasized.

### **MED\* 112 MEDICAL INSURANCE & BILLING**

3 semester hours

This course covers medical insurance, claims processing and billing issues in healthcare. Insurance terminology, healthcare reform, ethical, legal and compliance issues, the Health Insurance Portability and Accountability Act (HIPPA), and the eligibility and benefit structure of a variety of insurance plans including Medicare, Medicaid, Managed Care, TRICARE, and Workers' Compensation will be covered. Students will be prepared to generate, analyze and accurately decipher medical claims using ICD-9-CM, ICD-10-CM, CPT, HCPCS level II, PCS medical coding procedures. Prerequisite: Eligibility for ENG\* 101W.

### **MED\* 125 MEDICAL TERMINOLOGY**

3 semester hours

This course introduces the language of medicine. It will cover basic structure, spelling, pronunciation and definitions of medical and pathological terms; including all organ systems, anatomy, physiology, diseases, diagnoses, and medical abbreviations. The basic structure of medical terms including prefixes, suffixes, and word roots will be presented. Body systems are used as the organizations framework to present terminology.

## **MED\* 133 CLINICAL MEDICAL ASSISTING**

4 semester hours

This course covers the theory and practice of clinical skills used by the medical assistant in an outpatient environment. The course presents practices commonly performed in assisting with clinical procedures, developing communication skills between healthcare professionals and patients, and providing patient education. The course focuses on documentation, interview techniques, adult and pediatric physical exams, vital signs and measurements, and medical asepsis. Prerequisites: MED\* 125 OR HIM\* 101 with a 'C' or higher.

### **MED\* 242 CLINICAL LABORATORY PROCEDURES AND PRACTICES II**

4 semester hours

This course provides an introduction to clinical laboratory procedures, sterile technique and laboratory equipment. Basic diagnostic ambulatory tests for patient evaluation and treatment are studied, along with emergency care, nutrition, surgical techniques, wound care and specialty exams. Prerequisites: MED\* 133 with a 'C' or higher (or with concurrency) AND MED\* 125 or HIM\* 101 with a 'C' or higher.

### **MED\* 245 CLINICAL LABORATORY PROCEDURES**

4 semester hours

Students will perform venous and capillary blood collection methods. Students will obtain the necessary skills to perform various diagnostic tests performed in ambulatory facilities including microbiology, immunology, hematology, chemistry and pulmonary function tests, routine urinalysis, and electrocardiograms. Students are required to purchase scrubs or a lab coat, to be worn in class. Prerequisites: MED\* 133 and MED\* 242 with a 'C' or higher (or with concurrency) AND MED\* 125 or HIM\* 101 all with a 'C' or higher.

### **MED\* 250 PRINCIPLES OF PHARMACOLOGY**

3 semester hours

This course is an examination of the more commonly prescribed medications as they relate to specific body systems. Topics include practices, procedures and laws governing the use, dispensing, administration and storage of pharmaceuticals. Terminology relating to drugs and the administration of drugs is emphasized. Medications will be correlated to pathology, common diseases, and treatments as related to body systems. Corequisite: MED\* 250L. Prerequisites: MED\* 125 OR HIM\* 101 with a 'C' or higher.



## **MED\* 250L PRINCIPLES OF PHARMACOLOGY LAB**

1 semester hour

Laboratory to accompany MED\* 250 Principles of Pharmacology. Lab activities cover general principles of medication administration including determination of dosage, preparation, safe administration, and documentation. Systems of measurement and mathematical equivalents used in pharmacology dosage calculations will be covered. Students will participate in lab simulations covering injection techniques, administration of oral, nasal, ophthalmic, otic, topical, transdermal, and metered dose inhaler medications. Corequisite: MED\* 250. Prerequisites: MED\* 125 OR HIM\* 101 with a 'C' or higher.

## **MED\* 281 MEDICAL ASSISTING EXTERNSHIP**

4 semester hours

Preparation and work experience in an outpatient medical setting under the supervision of the facility staff and College instructor. Students complete 10 hours of simulated training on campus in preparation for a 160 hour experience at an approved site. Practicum experience of at least 160 contact hours enables students to apply the cognitive (knowledge) base and the psychomotor and affective objectives (competencies) they have learned, develop clinical proficiency, and assume responsibility for unpaid performance of clinical and administrative procedures in an ambulatory health care setting. Students will attend a state medical assisting convention, prepare and apply for a certifying exam and keep a journal of their practicum experience. Students must have current CPR and first aid certification during the entire externship experience. A mandatory Pre-Externship meeting is required in the semester prior to enrollment in MED\* 281. Prerequisites: all MED\* designated courses with a 'C' or higher AND permission of the Program Coordinator.

## **MUSIC**

### **MUS\* 101 MUSIC HIS & APPRECIATION I**

3 semester hours

Study of music from the Middle Ages to the present, using lectures, recordings, and outside listening assignments. Previous training not required. A field trip may be required. Prerequisite: Eligibility for ENG\* 096.

## **NURSING**

### **NUR\* 120 NURSING IN HEALTH & ILLNESS I**

9 semester hours

Classroom: 75 hours

Clinical/College Laboratory: 180 hours

This course provides an introduction to the art and science of nursing using concepts of nursing practice. Concepts related to the Nursing Profession, Health and Illness, Healthcare Systems and Patient Attributes are introduced and integrated throughout the course. Learning experiences in this course assist the student to integrate knowledge from pre-and corequisite courses into the provision of patient-centered care using the nursing process. Students apply learning related to pathophysiology, pharmacology, medical, and alternative therapies in classroom, laboratory and clinical settings throughout the course. Active learning strategies are employed in this course to introduce and develop critical thinking skills and self-directed lifelong learning. Prerequisites: Admission to the nursing program AND BIO\* 235 AND PSY\* 111, both with a 'C' or higher (or with concurrency).

### **NUR\* 125 NURSING, IN HEALTH & ILLNESS II**

8 semester hours

Classroom: 60 hours

Clinical/College Laboratory: 180 hours

This course builds upon concepts of nursing practice introduced in Nursing in Health & Illness I. Students apply learning related to pathophysiology, pharmacology, medical, and alternative therapies in classroom, laboratory and clinical settings throughout the course. The course integrates a holistic, family-centered approach to the nursing and interprofessional care of patients, families and groups across the lifespan. Emphasis is placed upon organizational skills of the nurse as a member of the interprofessional healthcare team. Learning experiences provide the student an opportunity to demonstrate critical thinking skills as course concepts are applied in the implementation of safe, patient-centered care in a variety of settings using the nursing process. Active learning strategies are employed to promote the continued development of critical thinking and self-directed lifelong learning. Prerequisites: NUR\* 120 AND BIO\* 235 AND PSY\* 111, all with a 'C' or higher, AND PSY\* 201 AND SOC\* 101, both with a 'C' or higher (or with concurrency).



### **NUR\* 126 TRANSITION TO THE CT-CCNP CONCEPT-BASED CURRICULUM**

1 semester hour

Classroom: 15 hours

The CT-CCNP has implemented a curriculum revision that necessitates a transition process for students readmitted to the CT-CCNP from the previous CT-CCNP curriculum from fall 2019 forward, at all sites. As part of the process, this course eases the transition to the new Concept-Based curriculum and positions students for success. Students in this course engage in independent and group learning activities designed to familiarize them with concept based teaching and learning to support successful transition to the CBC. Students complete learning activities based upon their level of entry into the CBC. Prerequisites: NUR\* 101 or NUR\* 102 & 103 or NUR\* 201 & 202 and permission of NCCC's Nursing Program Director.

### **NUR\* 152 CONCEPT-BASED CURRICULUM LPN TO RN TRANSITION A**

2 semester hours

Clinical: 90 hours (includes clinical and on campus laboratory distribution)

This course is the final component of the Connecticut League for Nursing LPN to RN Articulation Plan for the CT-CCNP which prepares LPNs to enter the CT-CCNP in the second year of study. Students enrolling in this course have been accepted for admission into the CT-CCNP and have chosen the option to enter the third semester. This course integrates learning activities in the college laboratory and clinical environment to support successful transition of the LPN pursuing candidacy for licensure as a registered nurse. Emphasis is placed upon organizational skills of the nurse as a member of the interprofessional healthcare team. Learning experiences provide the student an opportunity to demonstrate critical thinking skills as CT-CCNP curricular concepts are applied in the implementation of safe, patient-centered care. Prerequisites: Admission to the nursing program and BIO\* 235, PSY\* 111, PSY\* 201, SOC\* 101; Charter Oak State College NUR 190: LPN to RN Articulation Bridge Course with 80% (B-) or higher.

### **NUR\* 220 NURSING IN HEALTH & ILLNESS III**

9 semester hours

Classroom: 67.5 hours

Clinical/College Laboratory: 202.5 hours

This course is designed to further develop concepts of nursing practice introduced in Nursing, Health & Illness Concepts I & II. Students apply learning related to pathophysiology, pharmacology, medical, and alternative therapies in classroom, laboratory and clinical settings throughout the course. This course focuses on the nursing and interprofessional care of patients, families, groups and communities with a variety of complex health care needs across the lifespan. Emphasis is placed upon management and coordination of care and the related organizational skills of the nurse as a member of the interprofessional healthcare team. Learning experiences provide the student an opportunity to demonstrate clinical reasoning as course concepts are applied in the implementation of safe, patient-centered care in a variety of settings using the nursing process. Active learning strategies are employed in this course to promote the development of clinical reasoning and self-directed lifelong learning. Prerequisites: NUR\* 125 or NUR\* 152 AND PSY\* 201 AND SOC\* 101, all with a grade of 'C' or higher, AND ENG\* 102 or a 200 level English class with a 'C' or higher, (or with concurrency).

### **NUR\* 225 NURSING IN HEALTH & ILLNESS IV**

8 semester hours

Classroom: 45 hours

Clinical: 225 hours

This course is designed to further develop concepts of nursing practice introduced in Nursing in Health & Illness I, II & III. Students apply learning related to pathophysiology, pharmacology, medical, and alternative therapies in classroom, laboratory and clinical settings throughout the course. This course focuses upon the holistic nursing and interprofessional management and coordination of care for patients, families, groups and communities with a variety of complex health care needs across the lifespan. Emphasis is placed on the related organizational skills of the nurse as a member of the interprofessional healthcare team. Learning experiences provide the student an opportunity to demonstrate clinical judgment as course concepts are applied in the implementation of safe, patient-centered care in a variety of settings using the nursing process. In addition, a portion of clinical experiences within this course provide the student with the opportunity to demonstrate knowledge skills and attitudes (KSAs) that reflect awareness of the leadership and management roles of the nurse as a member of the interprofessional healthcare team. Active learning strategies are employed in this course to promote the development of clinical reasoning and self-directed lifelong learning. Corequisite: NUR\* 226. Prerequisites: NUR\* 220 with a 'C' or higher.

## **NUR\* 226 TRANSITION TO PROFESSIONAL NURSING PRACTICE**

1 semester hour

Classroom: 15 hours

This course focuses on advanced concepts of nursing practice as they relate to leadership, management and interprofessional relationships at all levels of patient care. This course explores the curricular concepts communication, diversity, evidence based practice, healthcare policy and economics, leadership, patient centered care, professionalism, quality improvement, safety, systems-based practice, and teamwork and collaboration in greater depth. Emphasis is placed upon clinical judgment as it impacts clinical decision making and priority setting in a variety of settings within the healthcare system. Learning experiences assist the student to synthesize concepts in a manner that promotes quality improvement in clinical nursing practice for the benefit of patients, families, groups, communities, and populations across the lifespan. Active learning strategies are employed in this course to engage students in the development and application of nursing leadership and management skills as self-directed lifelong learners. Corequisite: NUR\* 225. Prerequisite: NUR\* 220 with a 'C' or higher.

## **PHILOSOPHY**

### **PHL\* 101 INTRODUCTION TO PHILOSOPHY**

3 semester hours

An examination of basic philosophical problems: the nature of God, religion, morality, justice, knowledge, freedom, mind, and reality. Prerequisite: Eligibility for ENG\* 101.

### **PHL\* 111 ETHICS**

3 semester hours

Critically examines different ethical theories and discusses significant contemporary issues such as abortion, nuclear war, suicide, capital punishment, euthanasia, sexual ethics, and aid for the needy. Prerequisite: Eligibility for ENG\* 101.

### **PHL\* 112 MEDICAL ETHICS**

3 semester hours

In this course the student will explore the history, philosophy, ethical reasoning, and moral theories impacting healthcare decisions; while investigating ground breaking ethical issues, bioethical cases and laws governing healthcare providers' and health care workers' actions. Using case studies to explore the complex issues involved in medical treatment, experimentation and research, students will discuss the philosophies which contributed to the development of ethical codes of practice in the medical professions. Some of the topics being covered include: assisted reproduction, genetics, abortion, euthanasia, allocation of sparse resources, organ donation and the obligations of professional conduct. Prerequisite: Eligibility for ENG\* 101W.

## **PHL\* 151 WORLD RELIGIONS**

3 semester hours

Considers the religious systems of ancient Egypt and Greece as well as Zoroastrianism, Judaism, Christianity, Islam, and the great Eastern religious systems. Addresses the idea that religions differ not because they give different answers to basic questions, but because they do not agree on which questions are basic. Prerequisite: Eligibility for ENG\* 101.

## **PHYSICS & PHYSICAL SCIENCE**

### **PHY\* 121 GENERAL PHYSICS I**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall Semester

**For science majors.** A college algebra-based general physics course for the science/technology or engineering technology major or the engineering major that may lack sufficient conceptual understanding of physics. Subject areas include applied mathematical processes and problems in kinematics, dynamics, statics, energy, heat and thermodynamics, and phases of matter. The use of cognitive and mathematical skills employed by scientists and engineers will also be a central focus of this course. The use of computers, analysis software, computer interfaces and sensors will be an integral part of this course. Prerequisites: Eligibility for MAT\* 254 AND ENG\* 101. PHY\* 110 or satisfactory completion of high school physics course is HIGHLY recommended.

### **PHY\* 122 GENERAL PHYSICS II**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Spring Semester

This is the second course in the college Physics sequence. Subject areas include fundamental concepts and mathematical exposition, applied problems in electricity, magnetism waves, optics, sound, light and as time permits, introduction to modern physics in the area of nuclear and atomic physics, special and general relativity. The use of computers, analysis software, computer interfaces and sensors are an integral part of this course. Prerequisite: PHY\* 121 with a 'C' or higher.

### **PHY\* 221 CALCULUS-BASED PHYSICS I**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall Semester

**For science majors.** A traditional Calculus-based college physics course for the science major or engineering major. Subject areas include applied mathematical processes and problems in kinematics, dynamics, statics, energy, heat and thermodynamics, and phases of matter. The use of cognitive and mathematical skills employed by scientists and engineers will also be a central focus of this course. The use of computers, analysis software, computer interfaces and sensors are an integral part of this course. Corequisite: MAT\* 256. Prerequisite: MAT\* 254 with a 'C' or higher AND eligibility for ENG\* 101.

**PHY\* 222 CALCULUS-BASED PHYSICS II**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Spring Semester

This is the second course in the Engineering Physics sequence. Subject areas include applied problems in electricity, magnetism, waves, optics, sound, light and as time permits, introduction to modern physics in the area of nuclear and atomic physics, special and general relativity. The use of computers, analysis software, computer interfaces and sensors are an integral part of this course. Prerequisite: PHY\* 221 with a 'C' or higher.

## **POLITICAL SCIENCE**

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**POL\* 111 AMERICAN GOVERNMENT**

3 semester hours

Surveys the structure, functions, services, and problems inherent in federal governments, as well as factors influencing political action. Students apply the principles of government to modern American life. Prerequisite: Eligibility for ENG\* 101W.

**POL\* 122 THE POLITICS OF SOCIAL WELFARE**

3 semester hours

Offered: Spring Semester

Review the basic concepts of social welfare and its social, economic, and political roots. Studies the influence of beliefs about the appropriate role of the government in the economy and in people's lives on the provision of welfare decision-making and services. Review of basic practices and procedures of federal and state-level social welfare programs. Prerequisite: Eligibility for ENG\* 101.

**POL\* 295 POLITICAL SCIENCE INTERNSHIP**

6-12 semester hours

A supervised work-study program to provide the student with experience in the Connecticut State Legislature. By application only. Prerequisites: Consent of the Academic Dean.

## **PSYCHOLOGY**

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**PSY\* 104 PSYCHOLOGY OF ADJUSTMENT**

3 semester hours

Designed to expand the student's awareness of self and others, and to allow exploration of choices which are available in significant areas of life, such as love, sexuality, identity, alienation, and goals. Prerequisite: Eligibility for ENG\* 096.

**PSY\* 111 GENERAL PSYCHOLOGY I**

3 semester hours

A study of human behavior and mental processes through the investigation of such topics as biological roots, human development, memory, psychological research, learning, and social influences. This course is a prerequisite for most psychology courses. Prerequisite: ENG\* 101 OR ENG\* 101W, with a 'C' or higher (may be taken concurrently).

**PSY\* 112 GENERAL PSYCHOLOGY II**

3 semester hours

A study of human behavior and mental processes through the investigation of such topics as sensation, perception, states of consciousness, motivation, and emotion. Personality, psychological disorders, and forms of therapy are discussed. Prerequisite: ENG\* 101 OR ENG\* 101W, with a 'C' or higher (may be taken concurrently).

**PSY\* 201 LIFE SPAN DEVELOPMENT**

3 semester hours

This course examines physical, social-emotional and cognitive development from conception through old age. Particular emphasis will be placed on research, methodology and application, of the developmental perspective. Prerequisite: PSY\* 111 with a 'C' or higher.

**PSY\* 204 CHILD AND ADOLESCENT DEVELOPMENT**

3 semester hours

This course examines cognitive, physical and socio-emotional growth from conception through adolescence. Emphasis is placed on research and methodology within the field. Environmental and socio-cultural influences on development are examined. Prerequisite: PSY\* 111 with a 'C' or higher.

**PSY\* 210 DEATH & DYING**

3 semester hours

An opportunity to become more comfortable with the concepts of death. Includes discussion of personal experiences, a review of books and articles, class presentations, films, tapes, and possible guest speakers or field trips. Prerequisite: PSY\* 111 with a 'C' or higher.

**PSY\* 245 ABNORMAL PSYCHOLOGY**

3 semester hours

An exploration of the causes, effects and treatment of abnormal behavior. Topics covered include the difficulty of defining normal and abnormal behavior, critical understanding of diagnostic and research tools used by mental health professionals, and discussion of the possible developmental roots of psychological disorders. Prerequisite: PSY\* 111 with a 'C' or higher.

**PSY\* 258 BEHAVIOR MODIFICATION**

3 semester hours

This course is designed to teach students the theoretical and practical aspects of Applied Behavior Analysis. Principles of both Operant and Classical Conditioning paradigms will be covered. Strict emphasis will be placed on definition and measurement of behavior, identification and methods of reinforcer delivery and analysis of behavioral change. Students will be expected to design and implement a behavior change program as part of the course. Prerequisite: PSY\* 111 with a grade of 'C' or higher.

**PSY\* 260 PSYCHOLOGY OF THE EXCEPTIONAL CHILD**

3 semester hours

Special children, who they are, how they behave, and what can be done to facilitate their development. Emphasis is on the child in the home and in social environments and on school-related problems. Prerequisite: PSY\* 111 with a 'C' or higher.

**PSY\* 298 SPECIAL TOPICS IN PSYCHOLOGY**

1 - 3 semester hours

Designed to offer the student an opportunity to understand the investigation of a specific topic in psychology. One to three semester hours are prearranged in writing with the instructor. A student may repeat the course but the total credits may not exceed six. Prerequisites: PSY\* 111 with a 'C' or higher AND permission of instructor.

**SOCIOLOGY****SOC\* 101 PRINCIPLES OF SOCIOLOGY**

3 semester hours

Offered: Fall, Spring, and Summer Semesters

Introduces students to patterns of human behavior and social interaction. Areas of focus include, the nature of social adjustment, personality and the socialization process, formal and informal groups, and institutions. Prerequisite: Eligibility for ENG\* 096.

**SOC\* 104 SOCIOLOGY OF THE FAMILY**

3 semester hours

Offered: Spring Semester

This course examines the family as a social institution: its structures, functions, challenges, and changing cultural patterns within a historical and cross-cultural perspective. Prerequisite: ENG\* 101 OR ENG\* 101W, AND SOC\* 101, both with a 'C' or higher.

**SOC\* 201 CONTEMPORARY SOCIAL ISSUES**

3 semester hours

Offered: Fall Semester

Study selected problems in American society, including causes, effects on the individual, and approaches to resolution. Prerequisites: ENG\* 101 OR ENG\* 101W, AND SOC\* 101, both with a 'C' or higher.

**SOC\* 240 CRIMINOLOGY**

3 semester hours

The course of Criminology deals with the causes of crime and how it relates to our society, as well as the response of society to criminal behavior. The relationship of the criminal justice system and corrections is also explored. Development of the criminal mind and the inmates' social world within prison are of particular importance. Defining the concept of crime and the nature of criminal law are important aspects of this course of study. The effects of alcohol and substance abuse are prominent factors in modern criminal behavior, since a majority of crimes are related to this type of abuse. How society deals with these social problems will shape the future of criminal acts. Prerequisite: Eligibility for ENG\* 101.

**SOC\* 241 JUVENILE DELINQUENCY**

3 semester hours

This course will examine the social aspects of juvenile delinquency and the pressures which cause this behavior to emerge. The organization, functions and jurisdiction of the juvenile court system, as well as processing, detention, case disposition and juvenile delinquency statutes, will be discussed. The juvenile delinquency process in many states is being reexamined as today's youth have learned to abuse an antiquated system. Prerequisite: Eligibility for ENG\* 101.

**SPANISH****SPA\* 101 & SPA\* 102 ELEMENTARY SPANISH I & II**

3 semester hours each

These courses are designed to provide a basic foundation of the Spanish language with emphasis on speaking, listening comprehension, reading, and writing. Through film and other media, we will also periodically investigate Spanish and Latin American culture. Prerequisite: **SPA\* 101**: Eligibility for ENG\* 101W OR permission of instructor; **SPA\* 102**: SPA\* 101 with a 'C' or higher AND eligibility for ENG 101W OR permission of instructor.

**SPA\* 201 & SPA\* 202 INTERMEDIATE SPANISH I & II**

3 semester hours each

Continued practice with speaking, listening comprehension, reading, and writing Spanish. More sophisticated grammatical concepts, such as the subjunctive, are covered, with further emphasis on an appreciation for the variety and richness of Spanish and Latin American culture through readings, film, and internet research. Prerequisite: **SPA\* 201**: SPA\* 102 with a 'C' or higher AND eligibility for ENG\* 101W OR permission of instructor; **SPA\* 202**: SPA\* 201 with a 'C' or higher AND eligibility for ENG\* 101W OR permission of instructor.



## THEATER

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### **THR\* 111 INTRODUCTION TO ACTING**

2 semester hours

Offered: Winter Semester

Our goal in this class is to awaken the imagination, emotion, and intellect of the student actor. It is the actor who explores and uncovers the meaning and vision of any play they are embarking. We explore and approach the voice, speech, movement, as well as an intellectual view of the text, subtext and style. This course will stress both the actor's ability to use "self" (body, mind and experience) in a believable, honest way, as well as his/her willingness to take risks beyond pre-established boundaries. Corequisite: THR\* 111L.

### **THR\* 111L INTRODUCTION TO ACTING LAB**

1 semester hour

Offered: Winter Semester

Students will participate in a variety of exercises and techniques that actors use as tools that help take the text to performance. General rhetorical elements will be examined to help the actor with the exploration of the text. They will develop a personal connection and utilize that connection in developing an understanding of the text. Voice and body training will enable the student to develop the richness of expression that reveals the character's emotional state. Corequisite: THR\* 111.

### **THR\* 125 INTRODUCTION TO TECHNICAL THEATER WITH LAB**

4 semester hours (3 class hours/3 studio hours)

The course will introduce basic elements of design related to technical stagecraft. This will include lighting, set design, and construction. Working on an actual theater production is required. Students will engage in active learning about how a play is analyzed and staged from a technical point of view. They will construct drawings, light plots, and models that demonstrate understanding of the basics in technical theater.

## THERAPEUTIC RECREATION

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### **RLS\* 121 INTRODUCTION TO THERAPEUTIC RECREATIONAL SERVICES**

3 semester hours

Introduces students to therapeutic recreational services in hospitals, residential centers, correctional, and special institutions. Relationship of therapeutic recreation with other rehabilitative services.

### **RLS\* 122 PROCESS & TECHNIQUE IN THERAPEUTIC RECREATION**

3 semester hours

Acquaints students with physical activities adapted for various special populations. Adaptive, corrective, and development techniques are explored in lectures, demonstrations, and activities.

### **RLS\* 215 RECREATIONAL LEADERSHIP & SUPERVISION**

3 semester hours

Application of theoretical and practical leadership methods and skills in park and recreation services. Prerequisite: RLS\* 121 with a 'C' or higher.

### **RLS\* 219 FIELD WORK IN REC LEADERSHIP**

3 semester hours

Required field internship for second-year students enrolled in the Therapeutic Recreation certificate or associate degree program. Students must meet with the program advisor prior to enrolling in this course. Prerequisites: RLS\* 121 AND RLS\* 122, both with a 'C' or higher, AND permission of program advisor.

### **RLS\* 221 THERAPEUTIC RECREATION PROGRAMMING**

3 semester hours

A study of the equipment selection, leadership techniques and program modifications required for appropriate special programs designed to meet the needs and interests of members of various special populations. Prerequisites: RLS\* 121 AND RLS\* 122, both with a 'C' or higher.

## VETERINARY TECHNOLOGY

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### **VET\* 100 INTRODUCTION TO ANIMAL CARE**

2 semester hours

Offered: Fall semester

This course is designed to give students in the Veterinary Technology Program knowledge of, and basic experience with, small, large and laboratory animals. Basic animal husbandry topics discussed include breed differentiation, clinical nutrition, behavior, and species restraint techniques. Prerequisites: Admission to Vet Tech Program.

### **VET\* 101 INTRODUCTION TO VETERINARY TECHNOLOGY**

3 semester hours

Offered: Fall semester

This course is an introduction to veterinary science. The profession and employment opportunities for veterinary technicians are presented. The principles of animal health and the prevention of disease are stressed. Common illnesses, vaccination protocols, basic nutrition and animal reproduction are discussed. Prerequisites: Admission to Vet Tech Program.

**VET\* 102 VETERINARY OFFICE MANAGEMENT & COMMUNICATION**

3 semester hours

Offered: Spring semester

This course is intended to introduce the student to office procedures and business practices related to private veterinary practices. A large portion of the course focuses on the communication skills needed in the various situations encountered in the veterinary environment. Topics include reception techniques, telephone etiquette, client communication and education, management of medical records, billing procedures, scheduling of appointments, inventory control, computer use, and staff management. Prerequisites: Admission to Vet Tech Program.

**VET\* 125 VETERINARY MEDICAL TERMINOLOGY**

1 semester hour

This course is an introduction to basic veterinary medical terminology, including word roots, suffixes and prefixes, and medical abbreviations. Covered topics will include: directional terms; terminology describing the anatomy, physiology, and diseases of organ systems; and diagnostic, clinical and surgical procedures. We will also cover species-specific terms involving the anatomy, physiology, husbandry and diseases that are unique to various domestic species. Clinical cases including diagnostic reports are utilized for discussion in this course. Prerequisites: eligibility for ENG\* 101 or ENG\* 101W

**VET\* 151 SMALL ANIMAL VETERINARY TECHNOLOGY**

4 semester hours (3 class hours/2 laboratory hours)

Offered: Spring semester

This course will introduce the student to small animal nursing procedures including laboratory animals. Included topics will be restraint, physical examinations, medical and surgical nursing techniques and emergency care. The importance of client education and the role of the veterinary technician in the clinical setting will be stressed. Field trips required. Health assessment form and rabies vaccines status form must be completed prior to starting class. Prerequisites: VET\* 100 AND VET\* 101 AND VET\* 250 (or with concurrency), all with a 'C' or higher.

**VET\* 152 LARGE ANIMAL VETERINARY TECHNOLOGY**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Varies

This course will be an overview of the technical aspects of large animal veterinary care. Emphasis will be on large animal handling, restraint and medication. In addition, common medical conditions, routine large animal care and preventive health will be discussed. Field trips required. Health assessment form and rabies vaccines status form must be completed prior to starting class. Prerequisites: VET\* 100 AND VET\* 101 AND VET\* 212 (or with concurrency), all with a 'C' or higher.

**VET\* 201 VETERINARY ANATOMY & PHYSIOLOGY I**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall Semester

This course is the first semester of a two semester sequence designed to provide student with a broad foundation of the structure and function of the major animal species for students intending to pursue a career as a Veterinary Technician or continue on with their education in veterinary science or a related field.

Beginning with basic chemistry, the body's three major levels of organization (cells, tissues, and organs) provide the foundation for a systematic investigation of the structure and function of the animal body, for the most common species seen in veterinary practice, including companion animals, livestock, avian, laboratory animals and exotics. The laboratory component allows students to gain experience with the tools and techniques used to study the body on a macroscopic and microscopic level. Students will investigate the connections between the study of anatomy and physiology with clinical veterinary medical and surgical practice. Prerequisites: Admission to Vet Tech Program.

**VET\* 202 VETERINARY ANATOMY & PHYSIOLOGY II**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Spring semester

This course is the second semester of a two semester sequence designed to provide student with a broad foundation of the structure and function of the major animal species for students intending to pursue a career as a Veterinary Technician or continue on with their education in veterinary science or a related field.

This course investigates the structure and function of the animal body, for the most common species seen in veterinary practice, including companion animals, livestock, avian, laboratory animals and exotics. The laboratory component allows students to gain experience with the tools and techniques used to study the body on a macroscopic and microscopic level. Students will investigate the connections between the study of anatomy and physiology with clinical veterinary medical and surgical practice. Prerequisite: VET\* 201 with a 'C' or higher.

**VET\* 205 VETERINARY LABORATORY PROCEDURES**

3 semester hours (2 class hours/3 laboratory hours)

Offered: Varies

A study of veterinary clinical laboratory procedures including specimen collection, hematology, cytology, blood chemistry, urinalysis, and necropsy technique. Immunology and serology will also be discussed. Lecture incorporates heavy use of PowerPoint images of blood smears, urine, and cytology to aid in identification of cells and structures in the laboratory. The primary source of blood and urine samples for laboratory will be surgery patients from VET\*230 L, Anesthesia and Surgical Nursing Lab. In addition, field trips may be required to collect samples for lab.

Prerequisites: MED\* 125 or HIM\* 101 or VET\* 125 and VET\* 201 and VET\* 202 (or with concurrency). All with a grade of 'C' or higher.

### **VET\* 212 PRINCIPLES OF IMAGING**

1 semester hour (1 class hour/1 laboratory hour)

Offered: Fall semester

The principles of radiation and its uses in patient diagnostics are presented as well as the technical skills needed to perform radiological procedures. Alternative imaging techniques are also included. The dog and cat are primarily used in the laboratory. Prerequisites: VET\* 151 AND VET\* 151L AND VET\* 201 AND VET\* 202 AND VET\* 280, all with a 'C' or higher.

### **VET\* 220 ANIMAL PATHOLOGY**

3 semester hours

Offered: Spring Semester

A study of the more common diseases affecting domestic and farm animals. The causation, progression, transmission, treatment, and prevention are presented. The impact on public health and the role of the veterinary profession are discussed. Prerequisites: VET\* 151 AND VET\* 151L AND VET\* 152 AND VET\* 152L AND VET\* 205 AND VET\* 205L AND VET\* 212 AND VET\* 230 AND VET\* 230L AND VET\* 240, all with a 'C' or higher.

### **VET\* 230 VETERINARY ANESTHESIA AND SURGICAL NURSING**

4 semester hours (3 class hours/3 laboratory hours)

Offered: Fall semester

Surgical nursing and anesthetic procedures, including a study of anesthetic drugs, patient preparation, patient monitoring, and post-op care will be discussed. Surgical assisting techniques, operating room conduct, and surgical instrument care and use are also covered. Training manikins, anatomy models, and live dogs and cats will be used in lab. Corequisites: VET\* 240. Prerequisites: VET\* 151 AND VET\* 151L AND VET\* 202 AND VET\* 250 AND VET\* 280, all with a 'C' or higher.

### **VET\* 238 PARASITOLOGY**

3 semester hours

Offered: Spring Semester

This course provides an overview of the parasites of greatest importance in veterinary medicine. The course includes both lecture and laboratories to reinforce the knowledge and identification skills necessary for the Veterinary Technician. Prerequisite: VET\* 151 AND VET\* 151L AND VET\* 205 AND VET\* 205L, all with a 'C' or higher.

### **VET\* 240 PERIODONTOLOGY AND ORAL RADIOLOGY**

2 semester hours (lecture/lab)

Offered: Fall Semester

This course will introduce the student to the field of veterinary dentistry. Oral anatomy, terminology, instrumentation, periodontology, and oral radiography will be discussed. The clinical applications of modern veterinary dental care and the role of the veterinary dental hygienist will be emphasized. Dental models and live animals are used in the laboratory. Corequisites: VET\* 230 AND VET\* 230L. Prerequisites: VET\* 151 AND VET\* 151L AND VET\* 202 AND VET\* 250 AND VET\* 280, all with a 'C' or higher.

### **VET\*250 PRINCIPLES OF PHARMACOLOGY – VET TECH**

3 semester hours (lecture/lab)

Offered: Spring semester

This course provides an overview of the more commonly prescribed veterinary medications as they relate to specific body systems. Topics include practices governing the use, dispensing, administration, and storage of pharmaceuticals as well as prevention and treatment of parasites. Terminology relating to drugs and administration of drugs is emphasized. Prerequisites: MED\* 125 OR VET\* 125 OR HIM\* 101 AND VET\* 101 AND VET 202 (may be taken concurrently) all with a "C" or higher.

### **VET\* 280 VETERINARY EXTERNSHIP I**

1 semester hour

This externship will offer a supervised experience under the direction of a licensed veterinarian, certified technician or animal research technician. The student will refine skills learned in the first year classes and laboratories. Prerequisites: MED\* 125 OR VET\* 125 OR HIM\* 125 AND VET\* 100 AND VET\* 101 AND VET\* 151 AND VET\* 151L, all with a 'C' or higher, AND permission of instructor.

### **VET\* 281 VETERINARY EXTERNSHIP II**

2 semester hours

This externship will offer a supervised experience under the direction of a licensed veterinarian, certified technician or animal research technician. The student will refine skills learned in all previous veterinary technology courses. Prerequisites: VET\* 205 AND VET\* 205L AND VET\* 212 AND VET\* 230 AND VET\* 230L AND VET\* 240, all with a 'C' or higher, AND permission of instructor.

### **VET 298 SPECIAL TOPICS IN VETERINARY TECHNOLOGY**

1 – 3 semester hours

This course will introduce students to a wide range of topics in a variety of animal-related fields, such as veterinary health care, ancillary animal businesses (grooming, boarding, etc.), animal science, and other current topics in the field of veterinary technology. The course will be open to students in the veterinary technology program, and as a free elective for other students.

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# Notes

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# Directions to Northwestern Connecticut Community College

(We are approximately 30 minutes from Hartford and Waterbury.)

## From Hartford and points East

### From Route 44 (Albany Turnpike):

West from Hartford to Winsted  
East from Canaan to Winsted

### From I-91 South toward Hartford:

Toward Bradley International Airport to Route 20 to Route 219S to Route 318W to Route 44W to Winsted

### From I-91 North toward Hartford:

To I-84 West to Rt 4 (Farmington) to Rt 10 N to left onto  
Route 44W to Winsted

### From I-84 in Waterbury region:

To end of Route 8N (toward Torrington) right onto  
Route 44W to Winsted

### From I-95 in Bridgeport region:

To end of Route 8N (toward Torrington),  
right onto Route 44W to Winsted

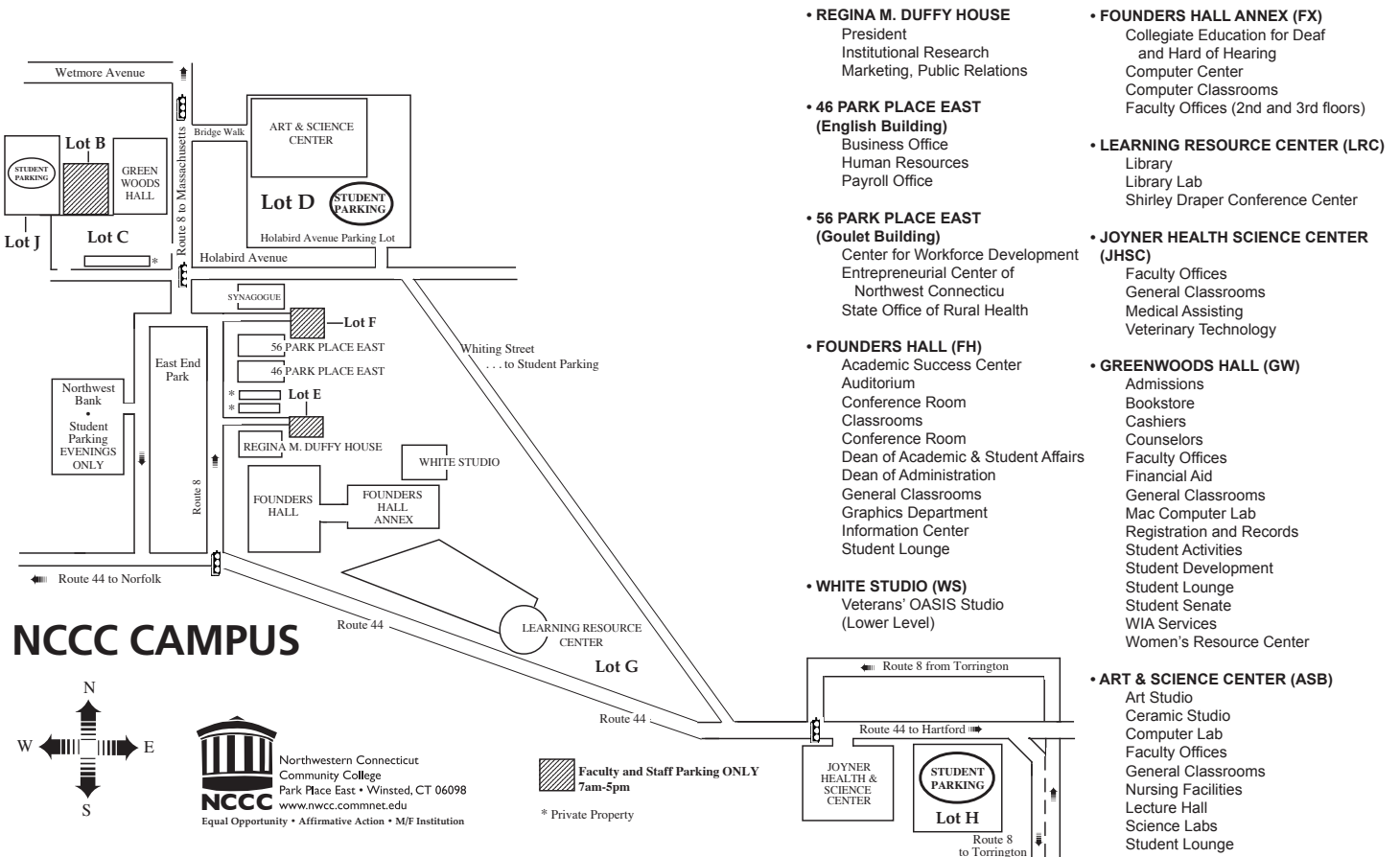
### From I-90E:

Route 20, left to Route 8S to Winsted

### From I-90W:

Route 202 to Route 20 to Route 219S to  
Route 318W to Route 44W to Winsted

For a detailed map from your home, go online to [www.https://maps.google.com](https://maps.google.com)







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<http://www.nwcc.edu>

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NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE 2020-2021



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COLLEGES & UNIVERSITIES  
BOARD OF REGENTS FOR HIGHER EDUCATION