

# ASNUNTUCK COMMUNITY COLLEGE

## Engineering Science Requirements\* - Associate in Science (A.S.) Degree

Student Name: \_\_\_\_\_ Student ID#: \_\_\_\_\_

Offered <i>F all</i> , <i>S pring</i> , <i>S ummer</i> , or <i>W inter</i>	Semester/ Year Plan to Take	Course #	Course Title	Credits	Semester/Year Completed/ Transferred in	Grade
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### Major Requirements: 30 minimum credits

F		+MAT* 268	Calculus III: Multivariable	4		
Sp		+MAT* 285	Differential Equations	3		
See catalog		+ENGR XXX	Applied Mechanics I	3		
See catalog		+ENGR XXX	Applied Mechanics II	3		
See catalog		+PHY* 221	Calculus -Based Physics I	4		
See catalog		+PHY* 222	Calculus -Based Physics II	4		
See catalog		+CSC* 210	C Programming	3		
See catalog			Two Technical Electives (see Program Coordinator) <b>OR</b>			
See catalog			Two Foreign Language Electives: SGN*, SPA* (2 sequential semesters of the same language)	6		

**Waiver Policy:** In order to waive foreign language requirement, student must have one of the following 1) a high school transcript that indicates three years in a single foreign language and successful completion of the most advanced level with a grade of C or higher 2) two sequential years of one language in high school and one second-level college language course in the same language with a grade of C or higher 3) demonstration of equivalent competency of a language other than English.

### General Education Requirements: 34 minimum credits

F, Sp, Su		+ENG* 101	Composition	3		
F, Sp		+ENG* 103	Composition II	3		
F, Sp, Su			<b>Fine Arts Elective</b> (Choose one): ART*, COM* 166, DAN*, DGA* 111, 128, +ENG* 206, 207, 213, 245, 281, 282, 283, 285, 289, GRA*, MUS*, THR*	3		
F, Sp, Su		SOC 190	Self and Others: Dynamics of Diversity	3		
See catalog			<b>Social and Behavioral Sciences &amp; Humanities Electives:</b> Two electives in this category: (History: Western Civilization) <b>OR</b> (Humanities: PHL* recommended)	6		
See catalog						
F, Sp		+MAT* 254	Calculus I	4		
Sp		+MAT* 256	Calculus II	4		
F, Sp, Su		+CHE* 121	General Chemistry I	4		
F, Sp		+CHE* 122	General Chemistry II	4		

**Total Credits Required: 64**

+Prerequisite Required      \*\*Transfer students must refer to transfer institutions for course recommendations      \*Common Course Numbering

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

**IMPORTANT:** Engineering is a system-wide program. Students can complete any courses that are not offered at ACC at another CT Community College that offers those courses, then transfer in successfully completed coursework to graduate with the degree.

*NOTE: All courses for degree credit must be numbered 100 or above. Students planning to transfer should refer to the requirements of the receiving transfer institution.*

**\*Becoming Connecticut State Community College:** STUDENTS: The Community Colleges are undergoing a merger with a plan to become Connecticut State Community College in fall 2023; please work closely with your advisor/program coordinator to select your courses accordingly. See page 53 of the 2021-2022 College Catalog for more detail about this exciting transition!

## Program Information

**Transfer Opportunities:** The Engineering Science associate degree program is one of two pathways sponsored by Connecticut's College of Technology. The engineering pathway leads to transfer with junior level status to the Engineering Schools at the University of Connecticut, the University of Hartford, and the University of New Haven. A grade average of "B" with no grade less than "C" is required for automatic continuation at the University of Connecticut's School of Engineering, University of Hartford's College of Engineering, or the University of New Haven. The curriculum is designed to serve as the first two years of the Bachelor of Science degree.

**Employment Information:** Students graduating with a degree in Engineering Science can gain employment in engineering or emerging technology fields, including retraining and upgrading opportunities.

**Graduation Information:** A cumulative 2.0 GPA is required to graduate. All courses for degree credit must be numbered 100 or above. Students must complete and submit a Graduation Application to the Registrar's Office in order to graduate. *Graduation Application deadlines:* December graduation - December 1st, May graduation - March 31st, August graduation - August 1st.

## Subject Area Designations

ACC	Accounting	CST	Information Systems Technology (Computer-Technology)	MAT	Mathematics
ANT	Anthropology	DAN	Dance	MED	Medical Assisting
ART	Art	DGA	Digital Arts	MFG	Manufacturing
AST	Astronomy	ECE	Early Childhood Education	MUS	Music
BBG	Business (General)	ECN	Economics	OCE	Oceanography
BES	Business (Entrepreneurship)	ENG	English	PHL	Philosophy
BFN	Business (Finance)	EVS	Environmental Science	PHY	Physics
BIO	Biology	GEO	Geography	POL	Political Science
BMG	Business (Management)	GRA	Graphic Arts	PSY	Psychology
BMK	Business (Marketing)	HDEV	Human Development	QUA	Quality Assurance
CAD	Computer Aided Drafting	HIS	History	SGN	Sign Language
CHE	Chemistry	HLT	Health	SOC	Sociology
CJS	Criminal Justice	HSE	Human Services	SPA	Spanish
COM	Communications	HPE	Health and Physical Education	THR	Theatre
CSA	Information Systems Technology (Computer-Applications)	HUM	Humanities		
CSC	Information Systems Technology (Computer-Science)	MAS	Massage Therapy		

**Please contact Arben Zeqiraj for more information at 860.253.3079 or [azeqiraj@asnuntuck.edu](mailto:azeqiraj@asnuntuck.edu)**

Notice of Non-discrimination: Asnuntuck Community College does not discriminate on the basis of race, color, religious creed, age, sex, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, sexual orientation, gender identity and expression or genetic information in its programs and activities. In addition, the College does not discriminate in employment on the basis of veteran status or criminal record. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: Timothy St. James, Interim Dean of Students/Title IX Deputy, [tstjames@asnuntuck.edu](mailto:tstjames@asnuntuck.edu) (860) 253-3011 and Deborah Kosior, 504/ADA Coordinator, [AS-DisabilityServices@asnuntuck.edu](mailto:AS-DisabilityServices@asnuntuck.edu) (860) 253-3005, Asnuntuck Community College, 170 Elm Street, Enfield, CT 06082.