

# ASNUNTUCK COMMUNITY COLLEGE

## Electronics Technology Requirements\* - Certificate

Student Name: \_\_\_\_\_

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

Offered <i>F all, Sp ring, or Su mmer</i>	Semester/Year Plan to Take	Course #	Course Title	Credits	Semester/Year Completed/ Transferred in	Grade
<b>Requirements:</b>						
See catalog		+MFG* 133	Mathematics for Electricity & Electronics	3		
See catalog		+MFG* 137	Circuit Theory I	3		
See catalog		+MFG* 138	Digital Fundamentals	3		
See catalog		+MFG* 139	Circuit Theory II	3		
See catalog		+MFG* 140	Robotics	3		
See catalog		+MFG* 142	Electronic Circuits & Devices	3		
See catalog		+MFG* 143	Industrial Motor Controls	3		
See catalog		+MFG* 170	Introduction to Automated Manufacturing	3		
See catalog		+MFG* 146	Programmable Logic Controllers	3		
See catalog		+MFG* 147	Microprocessor/Microcontroller	3		
<b>Total Credits Required:</b>				<b>30</b>		

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

Date: \_\_\_\_\_

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

Date: \_\_\_\_\_

### Program Information

**Outcomes:** This certificate provides detailed knowledge of electrical and electronic principles as applied to the design and operation of modern, high-speed manufacturing and assembly equipment. Completing this certificate will provide the student basic skills necessary to troubleshoot common electronic problems associated within the manufacturing environment. The objective of the certificate program is to provide our students higher level electronic technical skills. Install, analyze and troubleshoot electronic systems; use and configure computer hardware, operating systems and basic networks; apply electronic circuit simulation software for circuit design and analysis; troubleshoot electronic equipment; and program PLC's & robots.

**Employment Information:** Completion of this certificate will qualify the student for positions as diverse as R & D Technician, Robotics/Automated Systems Specialists, Electronics Technician, and Electronics Maintenance Technician. Additional experience and education will position the student/employee to advance to foreman in manufacturing operations, move into the operational management arena, or pursue more engineering or manufacturing education.

**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.

**\*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!

### Contact Information

**For more information, please contact:**

**Paul Felici 860.253.3189 or pfelici@asnuntuck.edu or Ed Vaghini 860.253.3153 or evaghini@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 (860) 253-3011 and Deborah Kosior, 504/ADA Coordinator, AS-DisabilityServices@asnuntuck.edu (860) 253-3005, Asnuntuck Community College, 170 Elm Street, Enfield, CT 06082.

+Prerequisite required

\*Common Course Number