

#3601

ELECTRONICS ENGINEERING TECHNOLOGY

Biomedical Equipment Option

NOTES:

This is an unofficial document and should be used for academic planning purposes only. All students are required to see their Academic Advisor each semester to discuss and approve their selection of courses before they register.

Due to continual program revisions mandated by accrediting agencies and/or changes in state mandated requirements, students should consult their academic advisor when selecting courses.

If you need the name of your academic advisor, contact the Engineering Technologies/Engineering Science Department in the Advanced Manufacturing and Engineering Center, room 104, 973-328-5760.

To determine the transferability of your courses to participating NJ Colleges & Universities, access www.njtransfer.org.

+See back page for an important noteregarding Mathematics Electives.

*This course must also be listed in the Diversity course list. See back page for more information.

**Registration in ELT 227 is conducted by the department only. Students must undergo a Federal and State Criminal Background check and purchase professional liability insurance prior to the start of their clinical experience.

Although the A.A.S. degree is a career-oriented program, selected four-year institutions may provide graduates of this program with opportunity for transfer. For more information contact the Transfer Coordinator and/or your academic advisor.

ELECTRONICS ENGINEERING TECHNOLOGY**Biomedical Equipment Option****#3601****Suggested Sequence by Semester**

*This suggested sequence does not include any required developmental courses.
Degree completion time may vary depending upon the number of credits taken each semester.*

SEMESTER I			CREDITS	SEMESTER II			CREDITS
English Composition I	ENG 111	3		English Composition II	ENG 112	3	
Mathematics Elective		4		Human Biology	BIO 133	4	
Digital Principles	ELT 110	3		Computer Science I	CMP 128	3	
Intro to Exp & Design	ENR 132	3		Circuit Analysis DC/AC	ELT 100	3	
Social Science/Humanities Elective		<u>3</u>		Circuit Measurement	ELT 102	<u>1</u>	
	TOTAL	16			TOTAL	14	
SEMESTER III				SEMESTER IV			
Electronic Communication Syst.	ELT 231	4		Industrial Electronics	ELT 215	4	
Advanced Digital & Microprocessors	ELT 209	4		Active Circuit Design	ELT 213	4	
Technical Physics I	PHY 111	4		Biomedical Clinical Experience	ELT 227	3	
Active Circuit Components	ELT 115	<u>3</u>		Electronic Fabrication	ELT 210	1	
	TOTAL	15		Biomedical Electronics	ELT 200	<u>3</u>	
					TOTAL	15	

HUMANITIES/SOCIAL SCIENCE: The Humanities or Social Science Elective must also appear in the Diversity section of the General Education course list. Please see your Academic Advisor for advice on selecting a course.

MATHEMATICS ELECTIVES: Students wishing to take a higher-level course than MAT 123, Precalculus may do so if they have met or exceeded the prerequisite.

HONORS COURSES: You may be eligible to take honors courses. Discuss this option with your Academic Advisor.

GENERAL EDUCATION: [Click here for the most recent General Education course list.](#)