

**COUNTY COLLEGE OF MORRIS  
CURRICULUM CHECK SHEET  
Requirements for Graduation  
A.A.S. DEGREE**

**#3601  
ELECTRONICS ENGINEERING  
TECHNOLOGY  
Biomedical Equipment Option**

**FALL 2023**

COURSE	CODE	CR	GR	TR
<b>General Education Foundation (20 CR)</b>				
COMMUNICATION (6 CR)				
English Composition I	ENG 111	3		
English Composition II	ENG 112	3		
MATH/SCIENCE/TECHNOLOGY (3 CR)				
Computer Science I	CMP 128	3		
SOCIAL SCIENCE OR HUMANITIES (3 CR)*				
Choose a Humanities or Social Science elective from the General Education Course list. (This course must also appear on the Diversity list).		3		
GENERAL EDUCATION (8 CR)				
Human Biology	BIO 133	4		
Precalculus+	MAT 123	4		
<b>ELECTRONICS ENGINEERING TECHNOLOGY Biomedical Equipment Option Core (40 CR)</b>				
Circuit Analysis DC/AC	ELT 100	3		
Circuit Measurement	ELT 102	1		
Active Circuit Components	ELT 115	3		
Biomedical Electronics	ELT 200	3		
Advanced Digital and Microprocessors	ELT 209	4		
Electronic Fabrication	ELT 210	1		
Active Circuit Design	ELT 213	4		
Industrial Electronics	ELT 215	4		
Digital Principles	ELT 110	3		
Biomedical Clinical Experience**	ELT 227	3		
Electronic Communications Systems	ELT 231	4		
Intro to Exp & Design	ENR 132	3		
Technical Physics I	PHY 111	4		
TOTAL		60		

**NOTES:**

**This is an unofficial document and should be used for academic planning purposes only.** All students are required to see their Academic Advisors 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](http://www.njtransfer.org).

+See back page for important note regarding 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. See your academic

Although the A.A.S. degree is a career-oriented program, selected four-year institutions may provide graduates of this program 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.*

<b>SEMESTER I</b>			<b>SEMESTER II</b>		
		<b>CREDITS</b>			<b>CREDITS</b>
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	<u>3</u>	Circuit Analysis DC/AC	ELT 100	3
			Circuit Measurement	ELT 102	<u>1</u>
<b>TOTAL</b>		13	<b>TOTAL</b>		14
<b>SEMESTER III</b>			<b>SEMESTER IV</b>		
Electronic Communication Syst.	ELT 231	4	Industrial Electronics	ELT 215	4
Advanced Digital & Microprocessors	ELT 209	4	Active Circuit Design	ELT 213	4
Biomedical Electronics	ELT 200	3	Biomedical Clinical Experience	ELT 227	3
Technical Physics I	PHY 111	4	Electronic Fabrication	ELT 210	1
Active Circuit Components	ELT 115	<u>3</u>	Social Science/Humanities Elective		<u>3</u>
<b>TOTAL</b>		18	<b>TOTAL</b>		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.](#)