

AUTOMATION AND MANUFACTURING TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

(61 credits)

A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

NOTE: Students must earn a final grade of C- or better in all required Technical Requirements and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 61 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Semester 1		Credits
Area I: Communications - English Composition Level I		4
ENGL 1110G	Composition I	
Area II: Mathematics		4
MATH 1250G	Trigonometry & Pre-Calculus	
ELT 110	Electronics I	4
ELT 225	Computer Applications for Technicians	3
Credits		15

Semester 2		Credits
Area IV: Social/Behavioral Sciences - Choose one from the following:		3
PSYC 1110G	Introduction to Psychology	
SOCI 1110G	Introduction to Sociology	
General Education Elective - Area I: Communications - English Composition Level 2		3
ENGL 2210G	Professional and Technical Communication	
DRFT 114	Introduction to Solid Modeling	3
ELT 135	Electronics II	4
ELT 160	Digital Electronics I	4
Credits		17

Semester 3		Credits
ELT 205	Semiconductor Devices	4
ELT 235	Digital Electronics II	3
MAT 105	Introduction to Manufacturing	3
MAT 110	Machine Operation and Safety	3
Choose one from the following:		1
MAT 221	Cooperative Experience I	
OECS 101	Introductions (Foundations) of Information Systems	
OETS 102	Career Readiness Certification Preparation	
Credits		14

Semester 4

Area III: Laboratory Sciences - Choose one from the following:		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus-Based Physics I and Calculus-Based Physics I Lab	
MAT 102	Print Reading for Industry	3
MAT 265	Special Topics	4
AERT 211 or AERT 121	Electromechanical Devices or Introduction to the Aerospace Workplace	4
Credits		15
Total Credits		61