

Technical Studies

TES.AAS

CODE	COURSE	CREDITS	CODE	COURSE	CREDITS
First Year/First Semester			Second Year/First Semester		
ENG-101	English Composition I	3	SPE-102	Public Speaking or	
CSC-101	Computer Literacy	3	HSR-105	Group Dynamics	3
MTH....	Mathematics General Education Elective (4 credits)	4	.....	Technical Studies Credit ¹	4
.....	Technical Studies Credit ¹	4	.....	Social Science General Education Elective	3
.....	Technical Concentration ²	3	.....	Technical Concentration ²	3
		17			13
Second Semester			Second Semester		
ENG-102	English Composition II	3	.....	Technical Studies	4
.....	Laboratory Science General Education Elective ³	4	.....	Technical Concentration ²	6
.....	Technical Studies Credit ¹	4	EGR-208	Co-op I: Engineering or	
.....	Technical Concentration ²	3	.....	Apprentice Co-op	3/4
		14	.....	Diversity: Humanities General Education Elective	3
					16/17
				Total Minimum Credits	60

¹ Three to 20 Technical Studies credits may be earned for selected union apprenticeships after review by faculty assessor of related program.

** Individuals without sufficient technical training experience must select up to 5 sequential courses in one of the Concentrations listed below to satisfy the Technical Studies credit requirements.

² Select from one of the following concentrations (Courses must be approved by appropriate faculty advisor): Automotive Technology; Business; Computer Aided Drafting and Design; Computer Information Systems; Computer Integrated Manufacturing; Computer Science; Computer Systems Technology; Engineering Technology (EET, MET, EME); Photonics

³ Recommend Physics for Non-Science majors (PHY-103)

** All Technical Elective courses should be selected with assistance from a faculty advisor

PROGRAM DESCRIPTION

The Technical Studies degree program recognizes that learning can occur in a variety of forums and that this learning may be equivalent to college-level instruction. After assessment of the certified union apprenticeship, corporate, industrial or military training program, the faculty assessor will determine the number of technical credits to be awarded. The remaining program includes the College's general education requirements, advanced technical credits and career related electives (technical concentration).

PROGRAM GOALS

- To assure that students can explain modern design and production concepts used in a specific engineering technology discipline: electrical, mechanical or manufacturing.
- To equip students to provide value-added service to their existing organization as a technician or junior engineer in areas such as continuous quality improvement and systems analysis.
- To provide students with a General Education foundation.
- To prepare students for employment in an apprenticeship industry.

PROGRAM STUDENT LEARNING OUTCOMES

- At the end of the program, the graduate will be able to:
1. To effectively communicate technical concepts in both written and oral formats.
 2. Identify resources, obtain and critically evaluate information.
 3. Model ethical professional behaviors.
 4. Develop an oral presentation or a theory, concept or analysis of a complex system process or product project. Students in apprenticeship programs shall focus on their individual disciplines.

PROGRAM INFORMATION

This program is available only to union apprentices and military employees who wish to validate their training programs and provide additional learning experiences for their employees.

SPECIAL ADMISSIONS REQUIREMENTS

The certified union apprenticeship must be reviewed and approved by a faculty assessor to validate the goals, objectives, depth and scope of the training.

EMPLOYMENT OPPORTUNITIES

- The Technical Studies degree program provides skill and knowledge enhancement and career mobility for corporate, industrial and military employees.
1. Electrical and Mechanical Systems Maintenance
 2. Construction Supervisor
 3. Cost estimator
 4. Energy Systems Supervisor
 5. Corrections Officer
 6. Healthcare Administrator

CONTACT PERSON

Dr. Lawrence M. Chatman, Coordinator
 (856) 227-7200, ext. 4523
 email: lchatman@camdencc.edu