

Technical Studies

ENGINEERING TECHNOLOGIES DEPARTMENT

Associate in Applied Science (A.A.S.) Degree

Under New Jersey Pathways Leading Apprentices to a College Education (NJ Place), community colleges, organized labor and several state agencies have developed a program to award college credit for registered apprenticeships in the construction trades. Through a unique blend of coursework, specialized training and hands-on-work experience, students will acquire the knowledge and skills to succeed in their chosen profession and earn an associate degree.

■ Why major in Technical Studies?

The Associate in Applied Science Degree in Technical Studies provides an opportunity for students to earn credits for apprenticeship training programs in the building and construction trades, based upon the American Council on Education (ACE) review and evaluation of the program. The earned credits will be applied to the degree. For further information about how apprenticeship credits may be applied to an A.A.S. degree, visit: www.njplace.com.

■ Can students who major in Technical Studies transfer to a four-year college or university?

The major is job-oriented and designed for entrance into the workplace. However, students can transfer to a four-year college and apply the courses taken at MCC towards a bachelor's degree.

■ Are there any special requirements that must be satisfied before taking courses in the major?

Algebra I is a prerequisite for all majors. Algebra I competency may be verified with a passing score on the college's placement test or by completing the appropriate class.

■ How long will it take to complete this degree?

Once students complete developmental coursework, if needed, and complete the apprenticeship requirements, the degree can be completed in two years of full-time study.

■ Are there any special requirements once the student is admitted to the major?

Students will submit satisfactory completion of the apprenticeship program to be eligible for credits. A maximum of 25 credits will be awarded.

■ Questions?

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TECHNICAL STUDIES

Associate in Applied Science (A.A.S.) Degree – TECH.AAS

Admission to the Technical Studies, AAS program is restricted. An individual must be enrolled in or have graduated from an American Council on Education recommended and approved Federal Bureau Apprenticeship Training Program in order to be eligible for admission to the Associate in Applied Science Degree in Technical Studies.

Below are required courses and recommended course groupings and sequences for program completion.

Courses	Credits	Requisites / Comments
Semester I		
ENG 121 English Composition I	3	A passing score on the College's placement test or a grade of "C" or better in ENG 010.
CSC 105 Computer Applications and Systems OR CSC 106 Intermediate PC Applications with Programming MAT 107 Mathematics I	3	Prerequisite(s): Appropriate score on the College Placement Test, MAT013, MAT013A/MAT013B, or department approval. Students in consultation with their Academic Advisor should select a mathematics course that will fulfill the requirements/prerequisites for the Technical Electives chosen.
___ ___ Technical Elective	3-4	Technical Electives may be selected from any of the following areas: Accounting (ACC), Business (BUS), Computer Science (CSC), or Engineering Technologies (CIT, CMT, ELT, MCT, MEC) for which they have the appropriate academic prerequisites.
Semester II		
ENG 122 English Composition II	3	A grade of "C" or better in ENG 121
PHY 101 Principles of Physics	4	Students may select courses offered by the Biology, Chemistry or Physics Departments for which they have the appropriate academic prerequisites.
___ ___ Technical Elective	3-4	Prerequisite(s): MAT 107, Mathematics I. Technical Electives may be selected from any of the following areas: Accounting (ACC), Business (BUS), Computer Science (CSC), or Engineering Technologies (CIT, CMT, ELT, MCT, MEC) for which they have the appropriate academic prerequisites.
Semester III		
___ ___ Social Science General Education Elective (GE SS)	3	Check College catalog for courses designated as General Education Social Science (GE SS)
___ ___ Technical Elective	3-4	Technical Electives may be selected from any of the following areas: Accounting (ACC), Business (BUS), Computer Science (CSC), or Engineering Technologies (CIT, CMT, ELT, MCT, MEC) for which they have the appropriate academic prerequisites.
___ ___ Physical/Health Education Elective	1-3	
Semester IV		
SPE 121 Fundamentals of Public Speaking	3	
___ ___ General Education Humanities (GE HUM) OR ___ ___ Social Science (GE SS) Elective	3	Check College catalog for courses designated as Humanities (GE HUM) or Social Science (GE SS)
___ ___ Technical Elective	3-4	Technical Electives may be selected from any of the following areas: Accounting (ACC), Business (BUS), Computer Science (CSC), or Engineering Technologies (CIT, CMT, ELT, MCT, MEC) for which they have the appropriate academic prerequisites.

Transfer Credit for Technical Courses – ACE Approved Courses 25 Maximum

Technical Studies credits will be awarded for military or apprenticeship training programs in the Building and Construction trades, based upon the American Council on Education (ACE) review and evaluation of the program and their recommendations for awarding academic credit for successful completion of those programs. These credits will be placed on the student's transcript when documentation of satisfactory completion is presented by an official of the apprenticeship program and after the student matriculates into the Technical Studies Program, and has completed 25 credits of course work at Middlesex County College. From 3 to 25 transfer credits may be awarded for successful completion of the apprenticeship program, and will be awarded based upon ACE review and recommendations. Students with fewer than 25 ACE approved transfer credits are required to select classes from the accepted technical electives listed above.

Total Credits: 63 Minimum

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