

ARCHITECTURAL TECHNOLOGY

Program Number: 10-607-5

Associate of Applied Science Degree

Campus: Fond du Lac

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

About the Program

Moraine Park's Architectural Technology Associate of Applied Science program provides the knowledge and experience in planning and design that are needed in the construction industry today.

What You'll Learn

Serve as a team support member to architects, engineers, surveyors, and mechanical contractors to help plan and design the construction of buildings, highways, bridges, utilities and other major infrastructure projects. Students apply computer-aided design (BIM/CAD) skills to architectural, structural and related designs. Graduates may find employment with architectural firms, civil/structural/mechanical engineering firms, general and mechanical contractors, surveyors, municipalities and public utilities.

Transfer Opportunities

Earn credits at MPTC and transfer to a four-year college to earn your bachelor's degree.

Visit the Transfer Opportunities (<https://www.morainepark.edu/academics/transfer-information/transfer-to-a-four-year-college/>) page for more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

Admission Process

Standard Admissions (<http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/>) steps details

Credit for Prior Learning

Earn college credit outside the classroom through Moraine Park's Credit for Prior Learning (CPL) opportunities. Credit opportunities are available for:

- Previous college coursework from prior institutions
- Military training and experience
- Passing of MPTC or national exams
- Skills or knowledge developed on the job or through other life experiences

Visit MPTC's Credit for Prior Learning (<https://www.morainepark.edu/academics/transfer-information/credit-for-prior-learning/>) page for more information.

Approximate Costs

- \$141.00 per credit (resident)
- \$211.50 per credit (out-of-state resident)
- Online students are not charged out-of-state fees.

- Please refer to the MPTC Student Handbook (<http://www.morainepark.edu/studenthandbook/>) for additional enrollment fee information.

Financial Aid

Financial Aid is provided to aid eligible associate degree and technical diploma programs with 28 credits or more. Processing can take 6-8 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received. Visit the Financial Aid (<https://www.morainepark.edu/pay-for-college/financial-aid/>) page to learn more.

Course Requirements

Course	Title	Credits
Semester 1		
103-159	Computer Literacy - Microsoft Office	1
607-116	Architectural Technology and Drafting	4
607-178	Revit	3
801-136	English Composition 1	3
804-195	College Algebra with Applications	3
890-101	College 101	2
Credits		16
Semester 2		
607-110	Civil Drafting Fundamentals	4
607-135	Construction Surveying	3
607-176	AutoCAD I	3
801-196	Oral and Interpersonal Communication	3
804-196	Trigonometry with Applications	3
Credits		16
Semester 3		
607-114	Structural Drafting	4
607-122	Mechanical Construction	3
607-131	Structural Analysis 1	3
607-140	Soils and Foundations	3
Social Science Course (https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/)		3
Credits		16
Semester 4		
607-124	Construction Estimating	2
607-132	Structural Analysis 2	3
607-137	Site Development	3
607-151	Technical Problems	4
Behavioral Science Course (https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/)		3
Credits		15
Required Elective Credits		
Required Elective Credits (can be taken any semester)		3
Credits		3
Total Credits		66

Program Outcomes

- Prepare presentation drawings.
- Prepare structural design plans.
- Apply basic survey principles.
- Design site plans.
- Design architectural plans.
- Design mechanical systems for a commercial building.
- Calculate the forces in a wood and steel truss and the stress and strain in structural members.

- Determine the cost of labor and materials for a commercial building.
- Determine the load bearing capacity of soils.

Career Opportunities

- Architectural Designer
- Architectural Technician
- Design BIM/CAD Technician
- Construction Estimator
- Construction Inspector
- Construction Manager
- Construction Surveyor
- Engineering Technician
- Public Utility Technician

Statewide Median Salary for Recent Graduates

\$46,522