

APPLIED INDUSTRIAL TECHNOLOGY (OPERATING ENGINEERS), APPRENTICESHIP PROGRAM



Code	Title	Credit Hours
ATOE-1100	Operating Engineering Concepts	4
ATOE-1200	Basic Mechanical Concepts	3
ATOE-1650	Graders and Plans	2
Any Approved Ohio Transfer 36 Mathematics course ¹		3
Select one of the following:		3
BADM-xxxx	Business Elective	
CNST-xxxx	CNST Elective	
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
ATOE-1700	Paving, Tractor, Backhoe Operations	3
ATOE-2100	Mobile Crane	2
ATOE-2600	Bulldozer Practice	3
Communication requirement ¹		3
Select one of the following:		3
BADM-xxxx	Business Elective	
CNST-xxxx	CNST Elective	
Select one of the following:		3
IT-1090	Computer Applications	
IT-109H	Honors Computer Applications	
ATOE-2200	Mechanical Repair	3
ATOE-2620	Backhoe Practice	3
ATOE-xxxx	ATOE Elective course	1-3
Natural Sciences requirement		3
Select one of the following:		2-3
BADM-xxxx	Business Elective	
CNST-1290	Construction Print Reading	
FIN-1061	Personal Finance	
AIT-2990	Contracting in a Diverse World	3
ATOE-2640	Advanced Grader Practice	3
ATOE-2660	Grader Safety	2
Social & Behavioral Sciences requirement ²		3
Select one of the following:		3

BADM-xxxx	Business Elective
CNST-2131	Construction Methods and Materials

¹ MATH-1100 Mathematical Explorations or MATH-1240 Contemporary Mathematics taken prior to Fall 2024 will be accepted to meet Mathematics requirement.

² ENG-2151 Technical Writing or COMM-1000 Fundamentals of Interpersonal Communication highly recommended.

³ Recommend PSY-1050 Introduction to Industrial/Organizational Psychology.

Technical Electives

Code	Title	Credit Hours
ATOE-2650	Safety Training Passport	1
ATOE-2670	Rough Terrain Forklift Operation	2
ATOE-2680	Hazardous Material Handling and Field Safety	2

Business Electives

Recommended electives in Business

Code	Title	Credit Hours
BADM-1020	Introduction to Business	3
BADM-1210	Labor-Management Relations	3
BADM-1122	Principles of Management and Organizational Behavior	3
BADM-2450	New Business Development	5
BADM-2151	Business Law	3
BADM-1301	Small Business Management	3

Construction Management Electives

Recommended electives in Construction Management

Code	Title	Credit Hours
CNST-1281	Construction Engineering Orientation	3
CNST-1510	Green Building & Sustainability I	3
CNST-1290	Construction Print Reading	2
CNST-2131	Construction Methods and Materials	3

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a counselor to determine the appropriate math required for your current major.

Related Degrees and Certificates

- Operating Engineers, Certificate of Proficiency
- Applied Industrial Technology (Operating Engineers), Associate of Applied Science