

# 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
MATH-1xxx ( <a href="http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas_math">http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas_math</a> )	1000-level MATH course or higher	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 ( <a href="http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas_comm">http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas_comm</a> ) <sup>1</sup>		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 ( <a href="http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas_natsci">http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas_natsci</a> )		3
Select one of the following:		3
BADM-xxxx	Business Elective	
CNST-1731	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 ([http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas\\_soc](http://catalog.tri-c.edu/academic-information/degree-certificate-program-requirements/#aas_soc))<sup>2</sup> 3

Select one of the following: 3

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

<sup>1</sup> ENG-2151 Technical Writing or COMM-1000 Fundamentals of Interpersonal Communication highly recommended.

<sup>2</sup> 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-1121	Principles of Management and Organizational Behavior	4
BADM-1210	Labor-Management Relations	3
BADM-1300	Small Business Management	4
BADM-2150	Business Law	4
BADM-2450	New Business Development	5

## 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-1731	Construction Print Reading	3
CNST-2131	Construction Methods and Materials	3

## Related Degrees and Certificates

- Operating Engineers, Certificate of Proficiency (<http://catalog.tri-c.edu/programs/operating-engineers-certificate-proficiency>)
- Applied Industrial Technology (Operating Engineers), Associate of Applied Science (<http://catalog.tri-c.edu/programs/applied-industrial-technology-operating-engineers-aas>)