Construction Technology

Construction Management Certificate

COT.MNT.CERT (C346F)

Semester One

ARC 108 Materials and Techniques 1
ARC 110 Materials, Methods and Sustainability I 2
COT 107 Codes, Specifications and Print Reading 3
MAT 110 College Algebra 3
OR
MAT 114 Plane Trigonometry 3
OR
MAT 122 Technical Mathematics 3
OR
MAT 131 Calculus and Analytic Geometry I 5
Program Electives 3
12-14

Semester Two

BUS 150 Principles of Management 3
COT 258 Construction Cost Estimating 3
Program Electives 6
12

Semester Three

BUS 154 Human Relations in Labor and Management . . . 3
OR
BUS 171 Introduction to Customer Service 3
OR
BUS 188 Business Writing 3
OR
BUS 200 Introduction to Human Resource Management . . 3
OR
BUS 260 Labor Law 3
COT 248 Construction Planning and Scheduling 3
6

Total credit hours required for certificate . . . 30-32

Construction Technology

Architectural Technology Certificate

ARC.ARC.CERT (C448T)

Semester One

ARC 104 Introduction to Architecture 3
ARC 108 Materials and Techniques 1
ARC 110 Materials, Methods and Sustainability I 2
ARC 189 AutoCAD and 3D Computer Modeling 3
ARC 261 Revit 3
12

Semester Two

ARC 220 Materials, Methods and Sustainability II 3
ARC 280 Materials, Methods and Sustainability III . . . 3
REN 100 Introduction to Renewable Energy 3
9

Total credit hours required for certificate 21

Construction Technology

Building Information Modeling/BIM Advanced Certificate

ARC.BMA.CERT (C548M)

Semester One

ARC 261 Revit 3
3

Semester Two

ARC 280 Materials, Methods and Sustainability III . . . 3
3

Total credit hours required for certificate 6

Program electives (9): ARC 102, COT 106, COT 111, COT 206, COT 210, COT 211, COT 248, ENT 104, ENT 106, ENT 107, ENT 201, ENT 202.

For more information on the Construction Technology Program, contact:

Frances Figg
(708) 456-0300, Ext. 3129
francesfigg@triton.edu

Construction Technology

Associate in Applied Science Degree
Carpentry Certificate
Plumbing Certificate
Construction Management Certificate
Architectural Technology Certificate
Building Information Modeling/BIM Advanced Certificate

Triton College

Construction Technology

Associate in Applied Science (AAS)

Construction Technology combines a hands-on construction program with technical course study. Students will receive hands-on training in trades like carpentry, plumbing and electricity, as well as obtain the engineering and construction skills to plan, organize, solve problems and communicate well in the execution of building projects. Students will develop financial and business knowledge to become a construction technician. Construction technology allows students to specialize in their area of interest. Graduates could enter as project coordinators with contractors and engineers, building departments, developers and construction-related fields. The program is designed to provide students with the skills and coursework necessary to transfer to a four-year college or university, if they choose.

Carpentry Certificate

The Carpentry Certificate is designed for students who wish to concentrate solely on hands-on construction skills. Graduates are prepared for entry-level carpentry positions in a residential setting.

Plumbing Certificate

The Plumbing Certificate is designed for students who wish to concentrate solely on hands-on construction skills. Graduates are prepared for entry-level plumbing positions in a residential setting.

PROGRAM LEARNING OUTCOMES

Upon successful completion of the Associate in Applied Science Degree in Construction Technology Program, the graduate will be able to:

- Recognize how the history of architecture impacts design solutions.
- Utilize state-of-the-art equipment and software to develop drawings for design and construction.
- Identify sustainability and global environmental issues and their impact in the construction field.
- Interpret drawings and specifications for construction projects.
- Navigate modern codes to find project requirements.
- Utilize appropriate forms in the construction, permit application and payout processes.
- Develop cost estimates for small construction projects.

For more information or to enroll in Triton's Construction Technology Program, call Frances Figg at (708) 456-0300, Ext. 3129, or email francesfigg@triton.edu.

Construction Technology

Associate in Applied Science (AAS)

ARC.IBC.AAS (C235A)

Semester One

ARC 104 Introduction to Architecture 3
ARC 108 Materials and Techniques 1
ARC 110 Materials, Methods and Sustainability I 2
ARC 189 AutoCAD and 3D Computer Modeling 3
RHT 101 Freshman Rhetoric and Composition I 3
General Education/Social or Behavioral Sciences or Humanities or Fine Arts 3
15

Semester Two

ARC 220 Materials, Methods and Sustainability II 3
COT 107 Codes, Specifications and Print Reading 3
COT 248 Construction Planning and Scheduling 3
RHT 102 Freshman Rhetoric and Composition II 3
OR
SPE 101 Principles of Effective Speaking 3
General Education/Social or Behavioral Sciences or Humanities or Fine Arts 3
15

Semester Three

ARC 210 History of Architecture I 3
ARC 261 Revit 3
MAT 110 College Algebra 3
OR
MAT 111 Pre-Calculus 5
OR
MAT 131 Calculus and Analytic Geometry I 5
REN 100 Introduction to Renewable Energy 5
Program Electives 3
17-19

Semester Four

ARC 102 OSHA 10-Hour Construction Training 1
ARC 214 History of Architecture II 3
ARC 280 Materials, Methods and Sustainability III . . . 3
COT 258 Construction Cost Estimating 3
Program Electives 6
15

Total credit hours required for AAS degree . . 62-64

Construction Technology

Carpentry Certificate

ARC.CPT.CERT (C446G)

Semester One

ARC 104 Introduction to Architecture 3
COT 100 Construction Trade Math 1
COT 106 Carpentry: Rough Carpentry I 3
COT 107 Codes, Specifications and Print Reading 3
10

Semester Two

ARC 102 OSHA 10-Hour Construction Training 1
COT 206 Carpentry: Finished Carpentry 3
COT 248 Construction Planning & Scheduling 3
7

Total credit hours required for certificate 17

Construction Technology

Plumbing Certificate

ARC.PLM.CERT (C446H)

Semester One

ARC 102 OSHA 10-Hour Construction Training 1
ARC 104 Introduction to Architecture 3
COT 100 Construction Trade Math 1
COT 107 Codes, Specifications and Print Reading 3
COT 111 Plumbing Fixtures, Valves & Faucets 3
11

Semester Two

COT 210 Plumbing: Fixture Installation 3
COT 211 Plumbing: Fixture Repair 3
COT 248 Construction Planning and Scheduling 3
9

Total credit hours required for certificate 20

More certificates on back.