

# APPLIED ENGINEERING & TECHNOLOGIES

## CONSTRUCTION MANAGEMENT TECHNOLOGY

### Construction Management Technology Degree - A35190

The Construction Management Technology curriculum is designed to provide training for persons interested in project management and other related positions in the construction industry.

Coursework focuses on such topics as construction materials, methods and techniques of modern construction, building codes, contractor licensing law, contractor business law, OSHA and safety on the construction site, project management, project scheduling, project costs and productivity, residential and commercial estimating, residential and commercial blueprint reading, and human relations issues in the construction industry.

Graduates should qualify for entry-level positions as project manager assistants, site superintendents, construction foremen, building inspectors, estimators, and other construction management-related jobs.

### Construction Management Technology: Basic Certificate – C35190C

The Construction Management Technology Basic Certificate is designed for individuals already in the construction industry who want to study the basic principles of construction management. Topics include safety/OSHA regulations and compliance, residential and commercial blueprint reading, project planning and scheduling, human relations, issues, and professional construction supervision.

Individuals who complete this certificate will have taken an essential step in the process of qualifying as a construction project manager, superintendent, foreman, or estimator.

### Construction Management Technology: Basic Construction Estimating – C35190D

### Construction Management Technology: Construction Safety Management – C35190E

#### Program Sequence

##### First Semester

|          |                                       |   |
|----------|---------------------------------------|---|
| BPR 130  | Blueprint Reading/Const.....          | 3 |
| BPR 230  | Commercial Blueprints .....           | 2 |
| CMT 112a | Construction Management I, Pt 1 ..... | 3 |
| CMT 210  | Construction Management Fund .....    | 3 |
| CMT 212  | Total Safety Performance.....         | 3 |
| MAT 121  | Algebra and Trigonometry.....         | 3 |

##### Second Semester

|          |                                       |   |
|----------|---------------------------------------|---|
| CMT 112b | Construction Management I, Pt 2 ..... | 3 |
| CMT 214  | Planning and Scheduling.....          | 3 |
| CMT 218  | Human Relations Issues .....          | 3 |
| CST 131  | OSHA/Safety/Certification .....       | 3 |
| ENG 111  | Expository Writing .....              | 3 |

*Complete Basic Certificate (C35190C): BPR 130, BPR 230, CMT 210, CMT 212, CMT 214, CMT 218*

*Complete Safety Management Certificate (C35190E): BPR 130, BPR 230, CMT 210, CMT 212, CMT 218, CST 131*

##### Third Semester

|         |                               |   |
|---------|-------------------------------|---|
| CMT 120 | Codes and Inspections .....   | 3 |
| COM 120 | Intro Interpersonal Com ..... | 3 |
| PSY 150 | General Psychology.....       | 3 |

##### Fourth Semester

|          |   |   |
|----------|---|---|
| CMT 193A | Selected Topics .....                   | 3 |
| CST 150  | Building Science .....                  | 3 |
| CST 241  | Planning/Estimating I .....             | 3 |
| SST 140  | Green Building and Design Concepts..... | 3 |
| HUM 110  | Technology and Society .....            | 3 |

##### Fifth Semester

|         |                              |   |
|---------|------------------------------|---|
| ACC 120 | Prin of Financial Acct ..... | 4 |
| BUS 139 | Entrepreneurship I .....     | 3 |
| CMT 226 | Applications Project* .....  | 3 |
| CST 242 | Planning/Estimating II ..... | 4 |

*Complete Basic Construction Estimating Certificate (C35190D): BPR 130, BPR 230, CMT 193A, CMT 210, CST 241, CST 242*

**Graduation Requirements..... 70 Credits Hours**