

CONSTRUCTION SUPERVISION, CERTIFICATE (CSUP)

Effective: Fall 2004

The Construction Supervision program is designed for individuals with an established background in the construction trades who are seeking advancement to supervisory leadership positions. The core courses will develop an appreciation of the importance of good communication skills, human relations skills and the fundamental challenges of achieving organizational goals through the efforts of others. Emphasis is placed on understanding the legal, contractual and organizational practices that form the basis of an effective construction organization. The Construction Supervision electives provide an additional component of focused activity relevant to the students particular trade background and professional goals. Typical job titles serviced by this curriculum include Construction Foreman, Construction Group Leader and Site Superintendent.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Manipulate technical information related to methods and materials of construction.
- Explain the functions of standard construction documents and procedures.
- Follow a standard protocol for the preparation of project data.
- Discuss characteristics of effective leadership in achieving results through the effort of others.
- Track time duration information for the completion of an activity.
- Explain the application of common laws and regulations pertaining to job-site activity.
- Define the elements of effective human relations on the job site.
- Identify the specific components of a site management system.
- Describe the critical elements of a job site safety program.
- Define construction closeout procedures.

Full-Time Academic Plan

The College will award a certificate of proficiency to students who complete 30 credits of an approved career program. These credits will not normally include physical education, developmental, basic and/or continuing education courses and will usually consist of 24 credits in the career specialty and six credits in general education. At least 50 percent of the credits must be earned at Delaware County Community College. The student must have a cumulative GPA of 2.0 or higher. At least six credit hours must be in courses that are awarded grade points.

| First Semester | | Hours |
|-----------------------------------|-------------------------------------|-----------|
| TCC 111 | Technical Communications | 3 |
| TCS 100 | Construction Blueprint Reading | 3 |
| TCS 108 | Construction Supervision | 3 |
| Construction Supervision Elective | | 3 |
| Hours | | 12 |
| Second Semester | | |
| TCS 109 | Construction Project Administration | 3 |
| MAT 128 | Algebra | 4 |

| | | |
|-----------------------------------|-------------------------------|-----------|
| TCS 141 | Construction First Aid/Safety | 3 |
| Construction Supervision Elective | | 3 |
| Hours | | 13 |
| Total Hours | | 25 |

Notes

Program Electives

| Code | Title | Hours |
|---------|--|-------|
| TCC 112 | CADD Graphics | 3 |
| TCC 121 | Project Management Processes | 3 |
| TCC 122 | 2-D CADD | 3 |
| TCC 111 | Technical Communications | 3 |
| TCC 112 | CADD Graphics | 3 |
| TCS 131 | Estimating I | 3 |
| TCS 132 | Estimating II | 3 |
| TCS 221 | Construction Survey and Layout | 3 |
| ARC 121 | Architectural Graphics I | 3 |
| ARC 226 | Mechanical and Electrical Systems in Buildings | 3 |
| TME 216 | Statics and Strength of Material | 4 |

Part-Time Academic Plan

| Code | Title | Hours |
|-------------------------------------|-------------------------------------|-----------|
| First Semester | | |
| TCC 111 | Technical Communications | 3 |
| TCS 108 | Construction Supervision | 3 |
| Second Semester | | |
| TCS 100 | Construction Blueprint Reading | 3 |
| TCS 109 | Construction Project Administration | 3 |
| Third Semester | | |
| TCS 141 | Construction First Aid/Safety | 3 |
| MAT 128 | Algebra | 4 |
| Fourth Semester | | |
| Construction Supervision Elective * | | 3 |
| Construction Supervision Elective * | | 3 |
| Total Hours | | 25 |

* See Electives list on Full-Time Academic Plan Tab (p. 1).

Career