CONSTRUCTION/BUILDING TECHNOLOGY CERTIFICATE

Construction is one of the nation’s largest industries. The variety of areas where construction workers are found is vast and offers many opportunities for individuals who desire to own and run their own businesses. Over the 1998-2008 period, employment growth is projected to add about 550,000 new jobs in construction.

In addition to the general education requirements of the AAS, students will complete the following courses at the area career and technology center.

The following general education courses are required for the certificate option.

COMMUNICATIONS ................................................. 3 HOURS
Choose one course from the following communications courses.
- ENG132 Applied Communications*
- ENG133 English Composition I+
- ENG167 Interpersonal Communications I
- ENG144 Public Speaking+
- TEC104 Technical Writing*

HUMAN DEVELOPMENT ......................................... 3 HOURS
Choose one course from the following human development courses.
- SOC113 General Sociology
- SOC140 Human Relations*
- PSY113 General Psychology I+
- PSY116 Applied Psychology

MATHEMATICS ...................................................3 - 5 HOURS
Choose one course from the following mathematics courses.
- MAT113 Intermediate Algebra*
- MAT114 Applied Mathematics*
- MAT123 College Algebra++
- MAT133 Trigonometry**+
- MAT160 Calculus for Business/Soc. Sciences**+
- MAT165 Analytic Geometry and Calculus I*
- MAT215 Analytic Geometry and Calculus II*
- TEC112 Industrial Math I
- TEC113 Industrial Math II*
- TEC190 Technical Math I*
- TEC191 Technical Math II*

PHYSICAL SCIENCE.............................................3-5 HOURS
Choose one course from the following science courses.
- PHS105 Applied Science*
- PHS110 Introduction to Physics*
- PHS125 Introductory Chemistry*
- PHS142 College Physics I*
- PHS135 General Chemistry I*
- PHS223 General Physics I**
- TEC107 Unified Technical Concepts I**+
- TEC108 Unified Technical Concepts II**+
- TEC136 Principles of Technology I
- TEC141 Principles of Technology II*

COMPUTER LITERACY ........................................... 3 HOURS
Choose one course from the following computer literacy courses.
- CIS105 Introduction to Computers
- CIS175 Microcomputer Applications*

Total General Education for Certificate .................. 15-19
Major and Support Areas for Certificate .................. 21
Total Hours for Certificate ................................. 36-40

*Designates courses with prerequisites.
+Designates recommended courses for students planning to transfer to another institution or another program in the future.

Construction/Building Technology ........................... 21 HOURS
Choose seven courses from the Construction/Building Technology courses offered at the career center.

General Education for Certificate................................. 15-19
Major and Support Areas for Certificate ......................... 21
Total Hours for Certificate........................................... 36-40