Southeast Missouri Regional Tech Prep Education Program Course of Study

Construction/Building Technology

Area Career Center or Comprehensive High School
Career Pathway: Industrial & Engineering Technology

Required for Admission:
• Average or Above Reading Ability
Prerequisite or co-requisite:
• Applied Mathematics I and II or Algebra I

All prerequisite courses must be completed with a grade of “C” or above

Not Required for Admission but Strongly Recommended High School Courses:
• Applied Communications
• Algebra II
• Principles of Technology I & II or Physics
• Geometry

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Communication Electives (1 Written & 1 Oral)
ENG132 Applied Communications * (3) (Written)
ENG133 English Composition I+* (3) (Written)
ENG144 Public Speaking+ (3) (Oral)
ENG167 Interpersonal Communications I (3) (Oral)
TEC104 Technical Writing * (3) (Written)

Human Development Electives
SOC113 General Sociology (3)
SOC140 Human Relations * (3)
PSY113 General Psychology I+ (3)
PSY116 Applied Psychology (3)

History/Political Science Electives
HIS123 American History I (3)
HIS124 American History II (3)
POS113 American National Government+ (3)
POS114 American State and Local Government+ (3)
POS133 International Relations (3)

Mathematics Electives
MAT113 Intermediate Algebra * (3)
MAT114 Applied Mathematics * (3)
MAT123 College Algebra +* (3)
MAT133 Trigonometry ++* (3)
MAT160 Calculus for Business/Social Sciences++* (3)
MAT165 Analytical Geometry & Calculus I * (5)
MAT215 Analytical Geometry & Calculus II * (5)
TEC190 Technical Mathematics I * (3)
TEC191 Technical Mathematics II * (3)

Physical Science Electives
Any Physical Science course with a PHS prefix
TEC107 Unified Technical Concepts I+* (4)
TEC108 Unified Technical Concepts II+* (4)

Computer Literacy Electives
CIS105 Introduction to Computers (3)
CIS175 Microcomputer Applications * (3)

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

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Communication Electives (6):

___ ___________________________ 3
___ ___________________________ 3

Human Development Elective (3):

___ 3

History/Political Science Elective (3):

___ 3

Mathematics Electives (6 - 10):

___ ( )
___ ( )

Physical Science Elective (3 - 5):

___ ( )

Computer Literacy Elective (3):

___ ( )

Total Cr. Hrs. 66 - 72

(cc) These courses are available only through the area career centers.

Revised: November, 2002