Southeast Missouri Regional Tech Prep Education Program Course of Study

Automotive Collision 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 and II or Physics
- Basic Electricity/Electronics

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

MINERAL AREA COLLEGE
ASSOCIATE OF APPLIED SCIENCE

AUTOMOTIVE COLLISION TECHNOLOGY

ACT102 Shop Management & Estimating (cc) ..... 3
ACT110 Metal Welding and Cutting (cc) ............ 3
ACT120 Non-Structural Damage Analysis (cc) ..... 3
ACT122 Non-Structural Damage Repair (cc) ..... 3
ACT130 Refinish - Undercoats (cc) ................. 3
ACT140 Structural Damage Analysis (cc) .......... 3
ACT142 Structural Damage Repair I (cc) .......... 3
ACT144 Structural Damage Repair II (cc) .......... 3
ACT150 Refinishing and Painting I (cc) .......... 3
ACT152 Refinishing and Painting II (cc) .......... 3
ACT160 Plastics and Adhesives (cc) ............... 3
ACT170 Auto Collision Tech Internship I .......... 3
ACT172 Auto Collision Tech Internship II .......... 3
PAW106 Preparation for Employment (cc) ....... 1
PAW120 Occupational Leadership Dev I (cc) .... 1
PAW122 Occupational Leadership Dev II (cc) .... 1

Communication Electives (6):


Human Development Electives (3):


History/Political Science Elective (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