

**Kentucky Tech
Madison County Area Technology Center**

AUTOMOTIVE TECHNOLOGY

470556 Auto Tech 1 (Basic Automotive Electricity)

Suggested Grade Level: 10-12
Credit: 1

470562 Auto Tech 2 (Electrical Systems)

Prerequisite: 470556
Suggested Grade Level: 10-12
Credit: 1

470550 Auto Tech 2 (Brake Systems)

Suggested Grade Level: 10-12
Credit: 1

470553 Auto Tech 2 (Suspension and Steering)

Suggested Grade Level: 10-12
Credit: 1

470547 Auto Tech 2 (Climate Control)

Suggested Grade Level: 10-12
Credit: 1

470580 Auto Tech 2 (Engine Repair)

Suggested Grade Level: 10-12
Credit: 1

470558 Auto Tech 3 (Basic Fuel and Ignition Systems)

Prerequisite: 470532
Suggested Grade Level: 10-12
Credit: 1

470564 Auto Tech 4 (Emission Systems)

Prerequisite: 470558
Suggested Grade Level: 10-12
Credit: 1

470560 Auto Tech 5 (Computer Control Systems and Diagnosis)

Prerequisite: 470564
Suggested Grade Level: 10-12
Credit: 1

CARPENTRY

460211 Introduction to Construction Carpentry

Suggested Grade Level: 10-12
Credit: 1

460212 Light Frame Construction I - (Formerly Floor and Wall Framing)

Prerequisite: Students must have successfully completed Introduction to Construction Carpentry.
Suggested Grade Level: 10-12
Credit: 1

460213 Light Frame Construction II - (Formerly Ceiling and Roof Framing)

Prerequisite: Students must have successfully completed Introduction to Construction Carpentry.
Suggested Grade Level: 10-12
Credit: 1

CAD/DRAFTING/GIS

480111 Basic Drafting 1

Suggested Grade Level: 10 – 12
Credit: 1

480113 Engineering Graphics (Basic Drafting 2)

Prerequisite: Basic Drafting 1 (480111)
Suggested Grade Level: 10 – 12
Credit: 1

480110 CAD 1 - Computer Aided Drafting 1

Prerequisite: Basic Drafting 1 (480111)
Suggested Grade Level: 10-12
Credit: 1

480112 CAD 2 - Computer Aided Drafting 2

Prerequisite: CAD 1 (480110)
Suggested Grade Level: 10-12
Credit: 1

470922 CAD 3 - Computer Aided Drafting 3

Prerequisite: CAD 2 (480112)

Suggested Grade Level: 11-12

Credit: 1

110401 Introduction to GIS (Geographic Information Systems)

Required Grade Level: 11-12

Credit: 1

110402 GIS Software Tools

Prerequisites: Intro to GIS

Suggested Grade Level: 11-12

Credit: 1

110211 Introduction to Database Design

Prerequisites: Intro to GIS

Suggested Grade Level: 11-12

Credit: 1

ELECTRICAL TECHNOLOGY

460334 Sustainable Energy

Suggested Grade Level: 9-12

Credit: 1

460335 Renewable Energy Systems

Suggested Grade Level: 9-12

Credit: 1

460312 Electrical Construction I

Suggested Grade Level: 10-12

Credit: 1

470317 Basic Troubleshooting

Suggested Grade Level: 10-12

Credit: .5

460333 National Electrical Code

Suggested Grade Level: 10 – 12

Credit: .5

460313 Electrical Construction II

Prerequisite – Electrical Construction I

Suggested Grade Level: 10 – 12

Credit: 1

460315 Circuits I

Suggested Grade Level: 10 – 12

Credit: 1

HEALTH SCIENCES

170111 Health Sciences Introduction

(Principles of Health Science)

Suggested Grade Level: 9-12

Credit: 1

170172 Health and Wellness (Human Growth & Development)

Prerequisites: None

Suggested Grade Level: 10-12

Credit: .5

170141 Emergency Procedures (CPR & First Aid)

Suggested Grade Level: 10-12

Credit: .5

170131 Medical Terminology

Prerequisite: None

Suggested Grade Level: 10-12

Credit: .5

170631 Medicaid Nurse Aide

Prerequisite: Prior Approval of Instructor, Health Science Introduction strongly recommended.

Suggested Grade Level: 12

Credits: 2

170162 Basic Anatomy and Physiology

Prerequisite: None

Suggested Grade Level: 10-12

Credit: 1

170640 Infection Control (Microbiology)

Prerequisite: None

Suggested Grade Level: 10-12

Credit: .5

MACHINE TOOL TECHNOLOGY

470913 Basic Machining (Formally Machine Tool A)

Prerequisite: None
Suggested Grade Level: 10-12
Credit: 1

470914 Intermediate Machine Shop (Formally Machine Tool B)

Prerequisite: Basic Machining
Suggested Grade Level: 10-12
Credit: 1

470915 CNC Machining

Prerequisite: None
Suggested Grade Level: 10-12
Credit: 1

470979 Specialized Machining

Prerequisite: Instructor's Approval
Suggested Grade Level: 10-12
Credit: 1

909101 Co-op 1

Prerequisites: Basic Machining and Intermediate
Machine Shop
Suggested Grade Level: 12
Credit: 1

WELDING

480537 Cutting Process

Prerequisite: Instructor's Approval
Suggested Grade Level: 10-12
Credit: 1

480521 Shielded Metal ARC Welding (SMAW)

Suggested Grade Level: 10-12
Credit: 1

480523 Oxy-Fuel Systems

Prerequisite: Instructor's Approval
Suggested Grade Level: 10-12
Credit: 1

480522 Gas Metal ARC Welding

Prerequisite: Instructor's Approval
Suggested Grade Level: 10-12
Credit: 1

480525 Gas Tungsten ARC Welding

Prerequisite: Instructor's Approval
Suggested Grade Level: 10-12
Credit: 1

480510 Blueprint Reading for Welders

Prerequisite: Must have taken another Welding
Course offered by KY Tech.
Suggested Grade Level: 10-12
Credit: 1

BUSINESS & OFFICE TECHNOLOGY

070124 Accounting I (Financial Recordkeeping)

(Can be taken as 4th math credit)
Suggested Grade Level: 11-12
Credit: 1

060410 Business Management

Suggested Grade Level: 9 – 12
Credit: 1

909101 Business Management – Coop 1

Prerequisite: Business Management – 060410
Suggested Grade Level: 12
Credit: 1

909101 Office Technology – Coop 1

Prerequisite: Computer Applications 1 (060112),
Office Administration (070610)
Suggested Grade Level: 12
Credit: 1

060112 Computer Applications I / Keyboarding
Suggested Grade Level: 9 – 12
Credit: 1

070612 Advanced Computer Applications
Prerequisite: Grade of C or higher in Computer Applications I. (060112)
Suggested Grade Level: 10 – 12
Credit: 1

070610 Office Administration
Prerequisite: Computer Applications 1 – 060112
Suggested Grade Level: 11-12
Credit: .5

060170 Personal Finance
Suggested Grade Level: 10-12
Credit: .5

060142 Word Processing
Prerequisite: Computer Applications 1 – (060112)
Suggested Grade Level: 10-12
Credit: 1

060197 Workplace Principles
This course is required for all students completing a Kentucky Tech Certificate
Suggested Grade Level: 11-12
Credit: .5

060196 Leadership Dynamics
Prerequisite: Recommended that student has completed a keyboarding course (or obtain Instructor's approval)
Suggested Grade Level: 11-12
Credit: 1

909201 Practicum 1
Prerequisite: OST100 or Consent of Instructor
Suggested Grade Level: 12
Credit: 1

MARKETING TECHNOLOGY

080716 Principles of Marketing (Introduction to Marketing)
Suggested Grade Level: 9-12
Credit: 1

081411 Retail Marketing Management (Marketing II)
Prerequisite: Successful completion of Principles of Marketing (Introduction to Marketing)
Suggested Grade Level: 10-12
Credit: 1

080717 Advanced Marketing (Seniors Only)
Prerequisite: Principles of Marketing
Required Grade Level: 12
Credit: 1

909101 Marketing Co-op (Seniors Only)
Prerequisite: Consent of Instructor
Required Grade Level: 12
Credit: 1 - 3

080111 Fashion Marketing
Prerequisite: Successful completion of Principles of Marketing (Marketing 1)
Suggested Grade Level: 10-12
Credit: 1

060311 Financial Services I
Prerequisite: Successful completion of Principles of Marketing
Suggested Grade Level: 10-12
Credit: 1

060351 Financial Services II
Prerequisite: Successful completion of Financial Services I
Suggested Grade Level: 11-12
Credit: 1