

# TECHNOLOGY EDUCATION AT APPLETON WEST HIGH SCHOOL

## COURSES OPEN TO ALL STUDENTS

### ARCHITECTURE AND CONSTRUCTION

**7360** CABINET & FURNITURE MAKING  
**7380** INTRODUCTION TO CONSTRUCTION  
**7390** HOUSE CONSTRUCTION

### MANUFACTURING & ENGINEERING

**7180** PRINCIPLES OF ENGINEERING  
**7520** MACHINING 1  
**7521** MACHINING 2  
**7540** WELDING & METAL FABRICATION

### ARTS, A/V TECHNOLOGY & COMMUNICATIONS

**7830** SCREEN PRINTING  
**7850** PHOTOGRAPHY & VIDEO PRODUCTION  
**7860** ADVANCED PHOTOGRAPHY & VIDEO PRODUCTION  
**7880** GRAPHIC ARTS  
**7890** GRAPHIC ARTS ENTERPRISE

### INFORMATION TECHNOLOGY & COMPUTER SCIENCE

**9340** INTRODUCTION TO COMPUTER SCIENCE  
**9440** COMPUTER SCIENCE PRINCIPLES  
**9540** AP COMPUTER SCIENCE A  
**7030** COMPUTER MAINTENANCE AND REPAIR

### TRANSPORTATION

**7420** SMALL ENGINES  
**7440** AUTO ABCS  
**7441** AUTO SERVICE

**ENROLLING IN ATECH ALLOWS YOU TO CONCENTRATE IN 1 OF 4 CAREER PATHWAYS**

**ATECH**

APPLETON TECHNICAL ACADEMY

**FRESHMEN:** 2 HOUR TECHNICAL SEMINAR: YEAR 1 INTRODUCTION TO ELECTROMECHANICAL/AUTOMATION & WELDING/FABRICATION  
**SOPHOMORE:** 2 HOUR TECHNICAL SEMINAR: YEAR 2 CONTINUING IN ELECTROMECHANICAL/AUTOMATION & WELDING/MANUFACTURING

**ATECH JUNIORS AND SENIORS** SELECT THEIR CAREER PATHWAY FOR A 2 HOUR BLOCK OF INSTRUCTION

*Junior and senior coursework in each strand is articulated with Fox Valley Technical College (FVTC). This means that our instructors provide dual credit options for students in these courses to earn both AASD high school course credit and transcribed college credit through FVTC while in high school.*

**NOTE:** There is **NO COST** to **ATECH** students to earn these Fox Valley Tech College credits!

**ADDITIONALLY: ATECH STUDENTS CAN APPLY EARNED TRANSCRIPTED COLLEGE CREDITS DIRECTLY TOWARDS A CERTIFICATE, TECHNICAL DIPLOMA OR AN ASSOCIATE'S DEGREE.**

### MANUFACTURING & ENGINEERING TECHNOLOGIES

#### COURSE SEQUENCE MECHANICAL DESIGN STRAND

1. SKETCHING & THE DESIGN PROCESS
2. CAD & GEOMETRIC CONSTRUCTION
3. MULTI-VIEW PROJECTIONS
4. SECTION VIEWS & AUXILIARY VIEWS
5. DIMENSIONING & TOLERANCING
6. INTRO TO AUTODESK INVENTOR

### MANUFACTURING & ENGINEERING TECHNOLOGIES

#### COURSE SEQUENCE ELECTRONICS/AUTOMATED MANUFACTURING STRAND

1. DIRECT CURRENT CIRCUITS 1 (DC1)
2. CONCEPTS OF PROGRAMMING
3. DIRECT CURRENT CIRCUITS 2 (DC2)
4. PROGRAMMABLE LOGIC CONTROLLERS 1
5. INTRODUCTION TO ROBOTICS 1

### MANUFACTURING & ENGINEERING TECHNOLOGIES

#### COURSE SEQUENCE WELDING AND METAL FABRICATION STRAND

1. WELDING AND METAL FABRICATION INTRO & SAFETY
2. BLUEPRINT READING FOR WELDERS
3. WELDING SYMBOLS
4. GMAW1
5. SMAW1

### MANUFACTURING & ENGINEERING TECHNOLOGIES

#### COURSE SEQUENCE MACHINING STRAND

1. BLUEPRINT READING FOR MACHINING
2. BENCHWORK 1 (METROLOGY)
3. ENGINE LATHE 1
4. BASIC WELDING FOR MACHINING
5. CNC & ADVANCED MACHINING