



# MECHATRONICS

## Robotics for today!

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ASUMH offers a secondary program in Mechatronics for high school juniors and seniors. Students can attain a certificate of proficiency and receive college credit for classes taken. Tuition is paid by the State of Arkansas.

### Secondary Fall Classes

Introduction to Mechatronics (year 1)  
Industrial Mechanical Systems (year 2)  
Programmable Logic Controllers (year 1)  
CAD (year 2)

### Secondary Spring Classes

AC/DC Electronics (year 1)  
Industrial Electricity (year 2)  
Hydraulics & Pneumatics (year 1)  
Robotics Technology (year 2)

### RECOMMENDED COURSE ROTATIONS

#### FIRST SEMESTER (FALL)

MATH 1113	Applied Math
CIS 1053	Computer Essentials
TECH 2314	Programmable Logic Controllers
TECH 1004	Intro to Mechatronics

#### SECOND SEMESTER (SPRING)

TECH 1404	AC/DC Electronics
TECH 1044	Computer Aided Design (CAD)
ENG 1003	Composition I
TECH 2424	Hydraulic & Pneumatic Systems

#### THIRD SEMESTER (FALL)

COMM 1203	Oral Communication
TECH 2324	Advanced PLC Topics
TECH 2144	Industrial Mechanical Systems
MACH 1004	Introduction to Machining

#### FOURTH SEMESTER (SPRING)

ENG 1013	Composition II
TECH 2444	Robotics Technology
TECH 2134	Industrial Electronic Devices
-----	Social Science Elective
TECH 1012	Employment Strategies



**ASUMH** Technical Center  
**ASUMH.edu**



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# ROBOTICS FOR TODAY!



Mechatronics is a new and rapidly growing field that integrates electronics, mechanics, pneumatics, hydraulics, and computer control systems to create new and improved automated manufacturing production systems. This program is designed for people who are interested in plant maintenance, set up, installation, and assembly. These jobs are found in the manufacturing, medical, electronics, agriculture, and automotive industries.

To secure your place in the ASUMH Mechatronics program, following these three easy steps:

## **1. Complete your admission application packet!**

- a. Submit an ASUMH application online or on campus.
  - Online at [www.asumh.edu](http://www.asumh.edu). Click on Apply Now.
  - Or, a paper application is available in the Office of Admissions, 3rd floor Roller Hall. Print your own copy by going to [www.asumh.edu](http://www.asumh.edu), click on the Admission & Registration tab, and look for Application for Admission - Printable in Forms & Information.
  - You will receive an email confirming we received your application.
- b. Submit immunization records, all transcripts, placement test scores (ACT, SAT, COMPASS, etc.).
  - If you do not have placement scores, schedule an appointment with our Testing Center.

To schedule online go to [www.asumh.edu](http://www.asumh.edu). Click on Admission & Registration and those choose the testing center.

You can also schedule by calling 870-508-6209.

- Continue to check your email for updates on any missing forms or documents.
- c. You will receive a letter of acceptance, once your packet is complete.
  - This letter includes the name of your advisor, student ID number and information about registration.

**Need help? Come in to the Student One Stop Center on 3rd Floor of Roller Hall for Admissions and Financial Aid help or call (870) 508-6104.**

## **2. Apply for financial aid!**

- a. Apply for federal financial aid by completing the Free Application for Federal Student Aid (FAFSA) online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).

**ASUMH FAFSA SCHOOL CODE: 042544**

- b. Apply for the Arkansas Workforce Challenge Scholarships online through YOUuniversal at <https://scholarships.adhe.edu>.
- c. Complete the ASUMH General Scholarship Application. Find it under the Financial Aid tab at [www.asumh.edu](http://www.asumh.edu).

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## **3. Meet with an academic advisor to select your classes!**

Meet with your academic advisor to select classes and register. Advisors will help you check the course schedule and the academic catalog for course descriptions and degree check lists. New students will receive an invitation to attend RegFest. If you have not already met with an advisor, you will do that at RegFest!