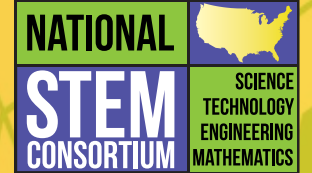



In order to complete the 30 credit certificate, you are required to complete eight classes.

What participants will learn

ALL OF THE MEC (MECHATRONICS) CLASSES are completely new and will be starting spring 2013. Check our website www.aacc.edu/mechatronics for information on our new classes.

- EET 130 Introduction to Electronic Circuits**
- ENT 260 Solid-modeling with Solidworks**
- STM 101-103 Core Skills for STEM**
- MEC 110 Mechanical Components and Electric Motors**
- MEC 120 Pneumatics and Hydraulics**
- MEC 130 Programmable Logic Controllers**
- MEC 140 Introduction to Robotics**
- MEC 150 Mechatronics Systems Capstone**



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For more information visit www.aacc.edu/mechatronics or contact one of our mechatronics team:

Joe Taylor, call **410-777-2909**, or email jtaylor@aacc.edu
Tim Callinan, call **410-777-2354**, or email tmcallinan@aacc.edu
Kat Schorr, call **410-777-7219**, or email kschorr@aacc.edu



What happens when you combine **mechanics, electronics and software**

50 INSPIRING YEARS  Anne Arundel Community College

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Mechatronics

Bringing Technical Skills into the 21st Century at AACCC

WORLD-CLASS JOB TRAINING IN THE FIELD OF MECHATRONICS



A mechatronics technician is a high-tech jack of all trades. Machines developed in the 21st century have both mechanical and electronic parts, so industry requires technicians who know both disciplines. Examples of mechatronics systems include robotics, smart cars, renewable energy systems, advanced manufacturing and defense systems.



Mechatronics at AACCC



- ▶ **A one-year, eight-course certificate program (30 credits) in mechatronics**
- ▶ **A new mechatronics lab**
- ▶ **Specialized mechatronics training equipment**
- ▶ **Certified instructors**

ANNE ARUNDEL COMMUNITY COLLEGE RECENTLY WON A \$19.7 MILLION GRANT FROM THE U.S. DEPARTMENT OF LABOR. This spring, we are going to open our new mechatronics lab and offer new classes in Robotics, Mechanical Systems and Electric Motors. Both mechatronics instructors are certified to teach Siemens Mechatronics Level 1.

Future job opportunities
According to the U.S. Department of Labor, mechatronics technicians are employed in several key industries, such as automotive, aviation, defense systems, energy, engineering and advanced manufacturing. The need for skilled technicians is expected to grow through 2018, especially as many experienced maintenance techs retire over the next decade. Individuals with certifications will have excellent job opportunities.

Industry certification
The mechatronics team at AACCC is partnering with local industry to facilitate potential student pathways into a mechatronics job. By taking AACCC's eight mechatronics classes you will be getting hands-on training as you prepare for the Siemens AG certification exam. The mechatronics instructors at AACCC are Siemens-certified mechatronics instructors.