

MECHATRONICS

BRINGING TECHNICAL SKILLS INTO THE 21ST CENTURY AT AACC

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.



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ANNE ARUNDEL COMMUNITY COLLEGE **MECHATRONICS AT AACC**

ANNE ARUNDEL COMMUNITY COLLEGE RECENTLY WON A \$19.7 MILLION GRANT FROM THE U.S. DEPARTMENT OF LABOR.

Our mechatronics lab is now open and we are offering 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.

A one-year, eight-course certificate program (30 credits) in mechatronics

A new mechatronics lab

INDUSTRY CERTIFICATION

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

WHAT PARTICIPANTS WILL LEARN In order to complete the 30 credit certificate you are required to complete eight classes.

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.

Specialized mechatronics training equipment

Certified instructors

- EET 130 Intro 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 Mechatronic Systems Capstone

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

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