

# APPLIED ENGINEERING & TECHNOLOGY, A.T.- CONTROL SYSTEMS TECHNOLOGY

The associate-degree program in Applied Engineering and Technology prepares technicians with the liberal arts, technological literacy and technical preparation for either direct employment or the seamless continuation in a bachelor's-degree program in applied engineering and technology management (AETM) or occupational safety and environmental health (OEH). Technical concentrations in the associate of technology program include advanced manufacturing, computer-aided drafting and design (CADD), construction, control systems, graphic communications, nanofabrication and occupational safety.

Applied Engineering & Technology, A.T.- Control Systems Technology

## Major in Appl Eng Tech-AT

| Code  | Title  | Hours        |
|---|--|--------------|
| AENG 130  | Production Materials & Processes                     | 3            |
| AENG 241  | Drafting Communications                              | 3            |
| AENG 261  | Electronic Systems                                   | 3            |
| AENG 262  | Semiconductor Electronics                            | 3            |
| AENG 325  | Power Conversion and Control                         | 3            |
| AENG 326  | Fluid Power  | 3            |
| AENG 342  | Computer-Aided Engineering Drawing                   | 3            |
| OEH 120   | Fundamentals of Safety, Health, Environmental Issues | 3            |
| Directed Electives - Choose 2 of the following: |  | 6-15         |
| AENG 300  | Co-Op Ed Experience in AENG                          |              |
| AENG 364  | Digital Electronics                                  |              |
| AENG 425  | Industrial Robotic Systems                           |              |
| AENG 427  | Programmable Logic Controllers                       |              |
| AENG 467  | Mobile Robotics                                      |              |
| AENG 468  | Control Network Integration                          |              |
| <b>Total Hours</b>                              |  | <b>30-39</b> |