

**Associate of Applied Science  
Applied Technology  
60 Credit Hours**

General Education Foundational Courses (22 credit hours)

| Goal            |                       | Course Number                                      | Course Name                                      | Credit Hours | Prerequisite |
|-----------------|-----------------------|--|--|--------------|--------------|
| Professionalism | Communication         | ENG 110 <sup>^</sup>                               | Writing I  | 3            |              |
|                 |                       | ENG 150  | Essential Business and Industry Communication    | 3            | ENG 110      |
|                 |                       | SPC 105  | Interpersonal Communication                      | 3            |              |
|                 | Reasoning             | PHY 150 <sup>^^</sup> and<br>PHY 151 <sup>^^</sup> | Applied Physics and<br>Applied Physics Lab       | 3<br>1       |              |
|                 |                       | <b>Choose one of the following courses:</b>        |  |              |              |
|                 |                       | MTH 120 <sup>^</sup> or<br>MTH 150 <sup>^</sup>    | Quantitative Reasoning or<br>Applied Mathematics | 3            |              |
|                 | Respect for Diversity | PSY 110  | Introduction to Psychology                       | 3            |              |
| SOC 150         |                       | Diversity in the Workplace                         | 3  |              |              |

Applied Technology Major and Specialization Courses (38 credit hours)

| <i>Build your career pathway by completing all major courses and all courses within the industrial maintenance specialization to total 38 credit hours of coursework.</i> |   |              |              |
|---|---|--------------|--------------|
| Applied Technology Major Courses (16 credit hours)  |   | Credit Hours | Prerequisite |
| CIS 150   | Business Technology I                       | 3            |              |
| HLT 105   | CPR/AED                                     | 1            |              |
| HLT 110   | First Aid                                   | 2            |              |
| IND 100*  | Industrial Safety                           | 3            |              |
| IND 120   | Fundamentals of Electricity and Electronics | 4            |              |
|   | Free Elective**                             | 3            |              |

| Industrial Maintenance Specialization (22 credit hours) |                                     | Credit Hours | Prerequisite              |
|---|-------------------------------------|--------------|---------------------------|
| CHM 110   | Introduction to Chemistry           | 3            |                           |
| IMT 105   | Process Technology                  | 3            |                           |
| IMT 250   | High Voltage Industrial Systems     | 2            | IND 120                   |
| IMT 265   | PLC and Robotics                    | 4            | IND 120                   |
| IMT 270   | Maintenance Management              | 2            |                           |
| IMT 280   | Industrial Maintenance Capstone     | 2            | IMT 250, IMT 265, IND 140 |
| IND 115   | Metrology and Measuring Instruments | 3            | MTH 120 or MTH 150        |
| IND 140   | Hydraulics and Pneumatics           | 3            |                           |

<sup>^</sup>See course descriptions for placement requirements.

<sup>^^</sup>Science lab courses are taken concurrently with the corresponding lecture courses or subsequently to successful completion of the corresponding lecture courses.

\*Includes a mandatory field experience

\*\*In consultation with your advisor, choose any three-credit hour course in alignment with your educational goals.