### Associate in Applied Science
**Toward a Degree in**
Mechatronics Engineering Technology

**Career Curriculum 00ELT3012**
Minimum Hours: 65
Major Code: 1.2 150612
Effective Date: Fall 2022

#### FIRST YEAR – FALL SEMESTER

<table>
<thead>
<tr>
<th>Dept. No.</th>
<th>Hrs.</th>
<th>Grade</th>
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<tbody>
<tr>
<td>ORI 100</td>
<td>1</td>
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<tr>
<td>ELT 102</td>
<td>4</td>
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<tr>
<td>ELT 111</td>
<td>3</td>
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<tr>
<td>MAT 111</td>
<td>5</td>
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<tr>
<td>MFT 103</td>
<td>3</td>
<td>16</td>
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**NOTES AND INFORMATION**

- Requires a grade of “C” or higher.
- Fall only courses:
  - ELT 111
  - ELT 151
  - MFT 103
- Spring only courses:
  - ELT 103
  - ELT 104
  - MFT 201

The Mechatronics Engineering Technology AAS Degree (00ELT3012) is an ICCB approved extension of the Electronics Technology AAS Degree (00ELT3010) and is the parent program to:
- Industrial PLC Systems Certificate (00ELT3013)

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

### CAREER OPPORTUNITIES:
Industrial Maintenance Engineering technicians solve technical problems in research and development, manufacturing, sales, construction, inspection, and maintenance. In manufacturing, the Industrial Maintenance Engineering technician many assist engineers and scientists, especially in research and development. Duties many include quality control, inspecting products and processes, conducting tests, repairing and maintaining of industrial equipment or collecting data.

### JALC ELT Programs are education members of:
- Institute of Electrical and Electronics Engineers
  445 Hoes Lane
  Piscataway, NJ 08854
- Association for Computing Machinery
  1601 Broadway, 10th Floor
  New York, NY 10019-7434

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.