ACADEMIC MAP: Industrial Technology-Mechatronics (Program of Study)

**Program Description**
The Industrial Technology program is designed by the advisory committee to meet industry requirements. Successful completion will equip students with the technical skills necessary to maintain, repair, troubleshoot, and manage modern maintenance programs in industrial plants, warehouses, hospitals, schools, and government buildings. Specific topics of coverage include fluid power and controls, gear and belt drive systems, electric motors and control systems, programmable logic controls, and process controls. Classes are designed in lecture and lecture-lab format to give the student a solid foundation in general maintenance skills.

**Program Requirements**
16 credit hours

**Link to Program Webpage**
http://www.southark.edu/academics/career-and-technical-education/industrial-technology-mechatronics

**Career Opportunities**

**Transfer Paths and Requirements**

**Expected Award upon Program Completion**
☒ CP ☐ TC ☐ AA ☐ AS ☐ AAS

**Date Expected to Graduate**
Semester/Year:

---

**BASIC STUDIES REQUIREMENTS:**
Reading: ACT 19 or above (or) ASSET 43 or above (or) COMPASS 83 or above (or) Accuplacer 78 or above (or) complete BSTD 0613 English II.
Writing: ACT 19 or above (or) ASSET 45 or above (or) COMPASS 80 or above (or) Accuplacer 83 or above (or) complete BSTD 0613 English II.
Math: ACT 19 or above (or) ASSET Intermediate Algebra Skills 43 or above (or) COMPASS 71 or above (or) complete BSTD 0513 Intermediate Algebra.

**STUDENT'S SCORES**:

**STUDENT'S BSTD REQUIREMENTS (Check applicable courses):**

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>TEST</th>
<th>SCORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>☐ BSTD 0603 Eng. I</td>
<td>☐ BSTD 0413 Elem. Algebra</td>
</tr>
<tr>
<td>Writing</td>
<td>☐ BSTD 0613 Eng. II</td>
<td>☐ BSTD 0513 Intermed. Algebra</td>
</tr>
<tr>
<td>Math</td>
<td>☐ BSTD 0211 Comp. I Lab</td>
<td></td>
</tr>
</tbody>
</table>

**CHOOSE COURSE PLAN WITH ADVISOR TO ASSURE PROPER ACADEMIC PROGRESSION**

**FIRST SEMESTER/YEAR:** ___________ / ___________

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Code (see key)</th>
<th>Credit Hours</th>
<th>Grade</th>
<th>Milestones</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 1003</td>
<td>Fundamentals of Mechatronics</td>
<td>3</td>
<td></td>
<td></td>
<td>Completion of Certificate of Proficiency – Industrial Technology</td>
<td>Meet with program director or faculty to discuss status. Meet with advisor to apply for graduation.</td>
</tr>
<tr>
<td>MECH 1404</td>
<td>Fundamentals of Electricity</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1073</td>
<td>Technical Math OR</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1023</td>
<td>College Algebra</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC 1003</td>
<td>Computer and Information Processing</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 16

**SECOND SEMESTER/YEAR:** ___________ / ___________

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Code (see key)</th>
<th>Credit Hours</th>
<th>Grade</th>
<th>Milestones</th>
<th>Actions</th>
</tr>
</thead>
</table>

Total

---

**Key:**
- F – Only offered in Fall semester
- D – Only offered Online
- T – Transfer
- CP – Certificate of Proficiency
- AA – Associate of Arts Degree
- S – Only offered in Spring semester
- P – Prerequisite to Program
- * Critical Course
- TC – Technical Certificate
- AS – Associate of Science Degree
- SU – Only offered in Summer semester
- SUB – Substitution
- AAS – Associate of Applied Science Degree
# SouthArk Guided Pathway to Success (GPS)

## Third Semester/Year: __________ / __________

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Code (see key)</th>
<th>Credit Hours</th>
<th>Grade</th>
<th>Milestones</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total

## Fourth Semester/Year: __________ / __________

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Code (see key)</th>
<th>Credit Hours</th>
<th>Grade</th>
<th>Milestones</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total

## Comments and Notes:

[Optional text]

## Graduation Requirements:

- **SouthArk Credit Hours**
  - Minimum Cumulative GPA of 2.00? (Required)
  - [ ]

- **Transfer Credit Hours**
  - All Program Courses Completed with a Minimum Grade of ‘C’ or Higher? (Required)
  - [ ]

- **Total Credit Hours**
  - Any 50% or the last 25% of Total Credit Hours? (Required)
  - [ ]

- **Cumulative GPA**

## Signatures:

I understand that when seeking a credential, I may be required to enroll in basic studies (BSTD) courses as a result of my test scores in compliance with Arkansas Law, Act 1052, which may take additional semesters for successful completion.

Student: _____________________________________________ Date: __________

Advisor: _______________________________________________ Date: __________

Registrar: _____________________________________________ Date: __________

---

**Key:**

- F - Only offered in Fall semester
- O - Only offered Online
- T - Transfer
- CP - Certificate of Proficiency
- AA - Associate of Arts Degree
- S - Only offered in Spring semester
- P - Prerequisite to Program
- * - Critical Course
- TC - Technical Certificate
- AS - Associate of Science Degree
- SU - Only offered in Summer semester
- SUB - Substitution
- AAS - Associate of Applied Science Degree