Iowa Valley Community College

Associate of Applied Science (A.A.S.) – Machine Tool Technology Tool & Die

Transfer guide to the University of Northern Iowa

Bachelor of Science (B.S.) – Automation Engineering Technology

1. When will I graduate?
Students transferring to UNI from this A.A.S. program at Iowa Valley should expect to take 83 credits at UNI. Assuming that the student is starting at UNI during the fall semester, it will take roughly six semesters (three years, a fall/spring/fall/spring/fall/spring sequence), with no summer coursework, to graduate.

<table>
<thead>
<tr>
<th>Transfer Credit Summary</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.A.S. credits transferring directly into UNI program</td>
<td>34</td>
</tr>
<tr>
<td>Other credits transferring to UNI</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total credits transferring towards UNI degree</strong></td>
<td><strong>37</strong></td>
</tr>
<tr>
<td><strong>Total credits needed at UNI</strong></td>
<td><strong>83</strong></td>
</tr>
<tr>
<td></td>
<td>(120 total)</td>
</tr>
</tbody>
</table>

2. What A.A.S. courses transfer?
Upon completion of this A.A.S. degree, the following courses within the listed program at UNI will be completed:

- TECH 1010 – Fundamentals of Materials Removal (3 cred.)
- TECH 1024 – Engineering Design with CAD (3 cred.)
- ENGLISH 3772 – Technical Writing for Engineering Technologists (3 cred.)
- AET Electives (15 cred.)
- Additional university electives transferring (10 cred.)

3. What other courses transfer?
Other courses built into this A.A.S. curriculum, or open electives, will also transfer to UNI. The following courses are recommended to take at Iowa Valley as part of this A.A.S. curriculum:

- Social/Behavioral Science course (3 cred.)
  - Students should complete PSY 111 – Introduction to Psychology or SOC 110 – Introduction to Sociology at Iowa Valley.
Iowa Valley Community College  
Associate of Applied Science (A.A.S.) – Machine Tool Technology Tool & Die  
Transfer guide to the University of Northern Iowa  
Bachelor of Science (B.S.) – Automation Engineering Technology

4. What would I study at UNI?  
By completing the recommended A.A.S. degree plan, the student would be required to complete the courses in black, listed below, at UNI.

### Math/Science Coursework

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 1160</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1150 or MATH 1420</td>
<td>4</td>
</tr>
<tr>
<td>PHYSICS 1511</td>
<td>4</td>
</tr>
<tr>
<td>STAT 1772</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits Remaining**: 14

### AET Technical Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1000</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2180</td>
<td>2</td>
</tr>
<tr>
<td>TECH 3147</td>
<td>3</td>
</tr>
<tr>
<td>TECH 3148</td>
<td>3</td>
</tr>
<tr>
<td>TECH 3160</td>
<td>3</td>
</tr>
<tr>
<td>TECH 3164</td>
<td>3</td>
</tr>
<tr>
<td>TECH 4162</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 4500</td>
<td>3</td>
</tr>
<tr>
<td>ENGLISH 2773</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits Remaining**: 45

### Other Important Information

- This transfer guide is based off of the 2023-2024 academic catalogs at UNI & Iowa Valley Community College and includes future adjustments to the UNI curriculum.
- Courses listed in the Remaining UNI Plan of Study section are subject to change at any time and are based on a fall semester start.
- This transfer guide assumes the student is only transferring in coursework from this A.A.S. degree plan. Students may transfer additional credits to UNI, which will be evaluated on an individual basis.
- The UNI Foundational Inquiry (UNIFI) at UNI is the collection of general education courses required by the institution to fulfill the universities mission. For more information, visit unifi.uni.edu.