## About the Major

A manufacturing engineer's primary focus is to turn raw material into an updated or new product in the most effective, efficient and economical way possible. A degree in this program prepares students for careers in the application of modern technology to the design and manufacturing of products, consumer goods and services. This major also allows students to select one or more emphasis areas which include advanced manufacturing, design, and metal casting.

## Possible Careers

*Some titles may require further education*

<table>
<thead>
<tr>
<th>Manufacturing Engineer</th>
<th>Tool Designer</th>
<th>Test Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simulation Engineer</td>
<td>Facility Supervisor</td>
<td>CAD Specialist</td>
</tr>
<tr>
<td>Molding Engineer</td>
<td>Automation Supervisor</td>
<td>CNC Specialist</td>
</tr>
<tr>
<td>Industrial Engineer</td>
<td>Quality Engineer</td>
<td>Plant Manager</td>
</tr>
</tbody>
</table>

## Uni Graduates: Where Are They Now?

- John Deere
- SiC Foundry
- Robert Half Technology
- DOMO Engineering Plastics US
- Alvine Engineering
- Van Diest Supply Company
- Align Technology
- Indiana Crop Improvement Association
- Accu-Mold
- Curbtender, Inc.
- Baxter Healthcare Corporation
- KE Collab LLC
- Carpenter Brothers, Inc.

## Sample Coursework

<table>
<thead>
<tr>
<th>Construction Resources</th>
<th>Decision Analytics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Graphics</td>
<td>Computerized Construction Estimating</td>
</tr>
<tr>
<td>Construction Law and Documentation</td>
<td>Statics and Strengths of Materials</td>
</tr>
<tr>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

## Skills Needed

- Problem-solving
- Leadership
- Information Technology
- Analytical skills
- Commercial awareness
- Critical thinking
- Dependability

## Holland Codes

**RCE**