**Florida Institute of Technology**

**ADDING A NEW COURSE TO THE CURRICULUM**

This is a request for reactivation of a course in the system. ☐ Yes  ☑ No

**New courses are available beginning with the fall term in which they appear in the University Catalog.**

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>E N</th>
<th>COURSE NO.*</th>
<th>CREDIT HOURS</th>
<th>ACADEMIC YEAR TO BE ADDED TO THE FILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>(e.g., CSE)</td>
<td></td>
<td>(e.g., 1301)</td>
<td></td>
<td>Fall 2018</td>
</tr>
<tr>
<td>*Justify level if 1000-level+ and no co- or prerequisites are required for student who need access to the machine shop.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS HOURS</th>
<th>10/semester</th>
<th>LECTURE HOURS</th>
<th>0/semester</th>
<th>LAB HOURS</th>
<th>10/semester</th>
<th>CONTACT HOURS</th>
<th>CEU ONLY</th>
<th>NA</th>
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**DEPARTMENT**
Office of the Dean, Engineering
(e.g., Biological Sciences)

<table>
<thead>
<tr>
<th>COLLEGE OF AERONAUTICS – 23</th>
<th>COLLEGE OF PSYCHOLOGY AND LIBERAL ARTS – 25</th>
</tr>
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<tbody>
<tr>
<td>NATHAN M. BISK COLLEGE OF BUSINESS – 24</td>
<td>COLLEGE OF SCIENCE – 26</td>
</tr>
<tr>
<td>COLLEGE OF ENGINEERING AND COMPUTING – 01</td>
<td>SCHOOL OF HUMAN-CENTERED DESIGN, INNOVATION AND ART – 28</td>
</tr>
</tbody>
</table>

**COMPUTER TITLE**
Machine Shop Cert Combo
Restricted to 25 characters, including spaces

This course will be entered into the system as:
- Bi-Level ☐
- Cross-Listed ☐
- Dual-Numbered ☐
- Full-Load ☐
- None of these/Standard Listing ☑

**CATALOG TITLE**
Combined Machine Shop Certification

**CATALOG DESCRIPTION OF COURSE** Restricted to 350 characters, including spaces

Introduces machine shop safety and the use of personal protection equipment. Reviews machine shop rules. Provides training in the use of various machine shop equipment and machine parts for a simple project. Combines EGN 1100 and EGN 2100 into a single course.

This description has been approved by the catalog office

**In addition, please attach a course syllabus and/or more detailed description.**

<table>
<thead>
<tr>
<th>RESTRICTIONS</th>
<th>Prerequisite</th>
<th>____________</th>
<th>Corequisite</th>
<th>____________</th>
<th>and ☐ or ☐</th>
<th>GRADES TO BE ISSUED</th>
<th>☐ A, B, C, D, F</th>
<th>☐ A, B, C, D, F, CEU/Audit</th>
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<td>and ☐ or ☐</td>
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</table>

**ADDITIONAL RESTRICTION** ☐ and ☐ or ☐

(e.g., Major, Class Level, Department Head Approval)
If this course replaces a course currently offered in BANNER, please indicate old course information and the date/term the course may be removed from the system.

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>Alpha Prefix (e.g., CSE)</th>
<th>COURSE NO. (e.g., 1301)</th>
<th>TERM TO INACTIVATE</th>
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</table>

☐ Yes ☐ No Will this course be used to measure program-level student learning outcomes? If yes, review and signature required.**

☐ Yes ☐ No Will this course be used to satisfy the scholarly inquiry requirement? If yes, attach "Q" materials for review.

☐ Yes ☐ No Will this course impact any existing programs? If yes, attach "Changing Graduation Requirements" form for each program impacted.

**APPROVALS:** On completion of description and course number verification, affix appropriate signatures as indicated, and submit to the Office of Graduate Programs, or Undergraduate Curriculum Committee Chair for placement on agenda.

**Originator**

A. DeTroia

11/13/17

**Chair, Graduate Council**

Date

**Chair, Undergraduate Curriculum Committee**

Date

**Chair, Academic Programs Assessment Committee**

Date

**CATALOG & CURRICULUM MANAGER**

These changes/additions have been made for the

University Catalog and entered into the BANNER term named above.

**REGISTRAR’S USE ONLY**

<table>
<thead>
<tr>
<th>SCACRSE</th>
<th>SCADETL</th>
<th>SCAREQ</th>
<th>SCABASE</th>
<th>ACGALOG</th>
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</thead>
<tbody>
<tr>
<td>SCARRSE</td>
<td>CIP Code</td>
<td>Operator Init.</td>
<td>Date</td>
<td></td>
</tr>
</tbody>
</table>

Date

Florida Institute of Technology • Office of the Registrar

150 West University Boulevard, Melbourne, FL 32901-6975 • (321) 674-8114 • Fax (321) 674-7827

RGR-338-417
EGN 1150: Machine Shop Certification – Combined

All semesters; Machine Shop - Bldg 538; Time TBD; Twelve 50-minute lectures or eight 75-minute lectures. Zero credits.

Instructor: Anthony DeTroia
Textbook: None
References: Shop safety, personal protection equipment, and MSDS DVDs

Course Description: Machine Shop Certification. Introduces students to machine shop safety and use of personal protective equipment. Reviews machine shop rules. Students are trained to use the various pieces of equipment in the shop, and machine parts for a simple project. This course combines EGN 1100 and EGN 2100 into a single course.

Grading: Pass/Fail
Students must attend all class meetings. Missing a single class period will result in automatic withdrawal. Students must demonstrate competency using the machine shop tools and successfully complete a take-home test.

Topics:

- Review of machine shop rules (20) min
- Review and signing of liability release form (10) min
- Watch safety videos (20) min
- Use of tape measure, caliper, and power hand tools (40) min
- Introduction to engineering drawings (60) min
- Use of belt sander, band saw and drill press (80) min
- Demonstration of miter saw, hand break, and foot shear (20) min
- Use of manual mill (120) min
- Use of manual lathe (100) min
- Use of micrometer (20) min
- Shop tour (20) min
- Take home test (90) min

Certifications are good for one year. Recertification classes are scheduled throughout the semester and sign-up for those is at the machine shop. These recertification classes last approximately 1.5 hours.