### Department of Engineering Technology, Surveying, Digital Media, and Interior Design

**Honors in Discipline**

#### Core Honors Courses (All Majors)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTC 1038-088</td>
<td>Honors Orientation</td>
<td>(2)</td>
</tr>
<tr>
<td>ENTC 3020-088</td>
<td>Honors Technology &amp; Society</td>
<td>(3)</td>
</tr>
<tr>
<td>ENTC 3030-088</td>
<td>Honors Technical Communication</td>
<td>(3)</td>
</tr>
<tr>
<td>ENTC 3048-088</td>
<td>Honors Research Methods</td>
<td>(x)</td>
</tr>
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<td></td>
<td>(* see Inter-Departmental Substitutions)</td>
<td>(4)/(5)</td>
</tr>
<tr>
<td>ENTC 4018-088</td>
<td>Honors Thesis</td>
<td>(3)</td>
</tr>
<tr>
<td>ENTC 4018 (3)</td>
<td>Fall Senior Year **</td>
<td>(3)</td>
</tr>
<tr>
<td>ENTC 4018 (3)</td>
<td>Spring Senior Year</td>
<td>(3)</td>
</tr>
</tbody>
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**recommends to be taken with Honors Research Substitute**

Total Credit hours in Major: 17
(-counting credits below for ENTC 3048 substitutions) 18 SURV

#### ENTC 3048-088 Honors Research Methods (3)

* Inter-Departmental Substitutions (if low/no 3048 enrollment)

<table>
<thead>
<tr>
<th>Department</th>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Media</td>
<td>DIGM 4930-088</td>
<td>Portfolio Development for Digital Media</td>
<td>(4)</td>
</tr>
<tr>
<td>Engineering Technology</td>
<td>ENTC 4600-088</td>
<td>Technical Practicum</td>
<td>(4)</td>
</tr>
<tr>
<td>Interior Design</td>
<td>INTD 4115-088</td>
<td>Mixed-Use Design Studio VII</td>
<td>(4)</td>
</tr>
<tr>
<td>Surveying and Mapping</td>
<td>SURV 4500-088</td>
<td>Senior Surveying Projects</td>
<td>(2)</td>
</tr>
<tr>
<td></td>
<td>ECON 2210-088</td>
<td>Honors Principles of Economics I</td>
<td>(3)</td>
</tr>
</tbody>
</table>
ENTC 3048 - Honors Methods of Research (3)

Prerequisites: Admission to College of Business and Technology or University Honors Program. Analysis of the materials and methods of research appropriate to Applied Science and Technology.

ENTC 3048 Substitutes (low enrollment)
Senior Capstone Courses taken with Honors Thesis I (3) or Honors Thesis II (3) Spring

Digital Media (* ENTC 3048) (4)
DIGM 4930 - Portfolio Development for Digital Media (4 credits)

Prerequisites: Senior status and within two (2) semesters of completing all requirements for graduation. Permission of instructor is required. This course provides the opportunity to review and refine selected examples of work for the creation of a digital media portfolio. Topics include industry research, job searching techniques, interview preparation, group projects, presentation skills, and portfolio development and refinement. Lecture and lab. (fall, spring)

Engineering Technology (* ENTC 3048) (4)
ENTC 4600 - Technical Practicum

Prerequisites: Senior standing, ENTC 3030, and at least 24 credits in a technology concentration. A senior-level capstone course in advanced problem solving by organized team methods. Requires the student to synthesize and apply subject matter studies in previous required courses. For example, in manufacturing, students will draw upon their knowledge of product design and manufacturing methods to solve a complex problem. Units of instruction will include project planning (GANTT and PERT), human factors, design aesthetics, systems methods, and group dynamics. Major requirements include a team presentation and a comprehensive technical report. Lecture and lab. (fall, spring)

Interior Design (* ENTC 3048) (4)
INTD 4115 Mixed-Use Design Studio VII (4 credits)

Prerequisites: INTD 3215. Application of the design process based on social research to plan mixed-use environments for children, the elderly, physically challenged, or other special populations.

Surveying and Mapping (* ENTC 3048) (5)
SURV 4500 - Senior Surveying Projects (2 credits)

Prerequisites: SURV 2560, SURV 3510, and SURV 3520. Corequisites: SURV 4537 or permission of instructor. Project oriented course that will demonstrate competence of graduating students. Completed projects will show graduates abilities to potential employers and indicate skills at graduation. (fall, even years)

ECON 2210_088 - Honors Principles of Economics I (3 credits)

An introduction to macroeconomic analysis which concentrates on economywide systematic issues such as inflation, unemployment, and the level of economic activity. (fall, spring, summer)
ENTC 3048 {Addendums}

*ENTC 4600 - Technical Practicum (substitute alternates)

Biomedical Engineering Technology Concentration (* ENTC 3048)

ENTC 4360 - BMET Internship I (2)

Prerequisites: HSCI 2020 /HSCI 2021, PUBH 2750, ENTC 3320. Corequisites: ENTC 4350. The student will be assigned to a selected regional hospital for eight credits per week after the fourth week of classes, and then for 40 hr/week for three weeks after the semester ends. The student will work under the supervision of a senior BMET or clinical engineer. Assignments will include PM, calibration, troubleshooting and repair, and management of equipment taught in ENTC 4350. The student will be required to pass a pre-employment physical examination and have liability insurance before being assigned to internship. (fall, spring, summer)

ENTC 4360 - BMET Internship II (2)

Prerequisites: ENTC 4350, ENTC 4360. Corequisites: ENTC 4370. The student will be assigned to a regional hospital for eight credits per week for 15 weeks. The student will work under the supervision of a senior BMET or clinical engineer. Assignments will include hands-on repair, PM and calibration of and management of hospital equipment studied in ENTC 4370. The student may be required to pass a pre-employment physical exam and acquire liability insurance before assigned to an internship.

Industrial Technology Concentration (* ENTC 3048)

Manufacturing Technology Concentration (* ENTC 3048)

Produce Development Concentration (* ENTC 3048)

ENTC 4357 - CIM Applications (3)

Prerequisites: Junior standing. An interdisciplinary course concerned with the concepts of business, computers, and manufacturing designed to explore the integration of these dynamic disciplines in the development of the Computer-Integrated Enterprise. Field trips, lab activities, and demonstrations will be used to support the lectures. (spring)

*DIGM 4930 - Portfolio Development (substitute alternates)

DIGM 4957 Special Topics in Digital Media (4)

Special Topics of current interest to groups of students concerning content not presented in regular course offerings. May be repeated for credit if material covered is significantly different or advanced. (fall, spring)

Transfer Students with Humanities?

ENTC 3020-088 Honors Technology & Society (alt) (3)

ENTC 3020-088 Honors Technical Communication (3)

ENTC 1510-088 - Student in University (2)

This course is meant to provide guidance to first-year university students as they begin their search for directions to take in self-definition, intellectual growth, career choices, and life skills. (fall, spring)