

Cover Sheet: Request 12312

Engineering Innovation Minor curriculum change

Info

Process	Minor Modify/Ugrad
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Johannes Van Oostrom oostrom@ufl.edu
Created	2/16/2018 8:02:49 AM
Updated	2/26/2018 4:06:59 PM
Description of request	Update the Elective list Update the Internship/Coop list

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	ENG - Engineering - General 011940001	Johannes Van Oostrom	This has been approved already by College Curriculum Committee and Faculty Meeting, but yet it is sitting in my worklist. Maybe this is a duplicate?	2/23/2018
Engineering Innovation-catalog.docx					2/16/2018
College	Approved	ENG - College of Engineering	Heidi Dublin	Approved by HWCOE Curriculum Committee and Faculty Meeting 2/23	2/24/2018
No document changes					
Associate Provost for Undergraduate Affairs	Approved	PV - APUG Review	Angela Lindner		2/26/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/26/2018
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Minor|Modify for request 12312

Info

Request: Engineering Innovation Minor curriculum change

Description of request: Update the Elective list
Update the Internship/Coop list

Submitter: Johannes Van Oostrom oostrom@ufl.edu

Created: 2/16/2018 7:39:08 AM

Form version: 1

Responses

Name Engineering Innovation

Code EIN

Effective Term Earliest Available

Effective Year Earliest Available

Proposed Changes Add Engineering Design & Society (2 cr) as one of the electives. This helps balance with the Fundamentals of the New Engineer which is now 1 credit.

Add the BME internship course

Pedagogical Rationale/Justification Provide better options for students to meet the 6 credits of electives

Impact on Other Programs None

Engineering Innovation

Graduates with this minor across all engineering disciplines are better prepared to enter the market place as innovators and leaders in myriad technology-centric industries. The minor provides the academic background for graduates to think more creatively, innovatively, and entrepreneurially. Graduates are more rounded with innovation skill sets that enhance career advancement opportunities, either for employers or in their own entrepreneurial pursuits.

About this Minor

College: [Herbert Wertheim College of Engineering](#)

Credits: 15, completed with a minimum 2.8 combined GPA

Related Engineering Innovation Programs

Overview

Open to all Herbert Wertheim College of Engineering majors. Students can only complete one UF Innovation minor. Students cannot earn both the Engineering Innovation minor and certificate.

The curriculum enhances the engineering discipline with courses in engineering attributes, communications, innovation, entrepreneurship, creativity, leadership, and project management, completed with an internship/co-op experience. The UF Engineering Innovation Institute oversees this minor.

This minor develops a deep and comprehensive skill set in undergraduate engineering students that can be applied innovation-driven enterprises as well as in "intrapreneurial" initiatives within larger organizations. The core themes involve creativity, the study of engineering-focused innovations, technological entrepreneurship, leadership of teams focused on technology and engineering, engineering project management, and professional development for engineers via an engineering innovation-related internship.

This minor complements the technical training in the student's major discipline by providing the tools and knowledge required for engineering innovators.

Required Courses

Courses	Credits
ENC 3246 Professional Communication for Engineers	3

EGN 4643 Engineering Innovation	3
<p>Choose two 6 credits:</p> <p>EGS 2036 Fundamentals of the New Engineer <u>(1)</u> and/or <u>EGN 2XXXXC Engineering Design & Society (2)</u> and/or EGN 4641 Engineering Entrepreneurship <u>(3)</u> and/or EIN 4905 Divergent Thinking <u>(3)</u> and/or EGS 4038 Engineering Leadership <u>(3)</u> and/or EIN 4905 Fundamentals of Engineering Project Management <u>(3)</u></p>	6
<p>EGN 4940 Engineering Internship/Co-op, or</p> <p>One of the following internship / co-op offerings specific to departments: <u>BME 4949</u>, CGN 4949, CIS 4940, CIS 4949, EAS 4949, ECH 4948, ECH 4949, EEL 4948, EEL 4949, <u>EGN 4949</u>, EGN 5949, EMA 4949, EML 4945, EML 4949, ENU 4949, ENV 4949, ESI 4949</p>	3
Total	15