

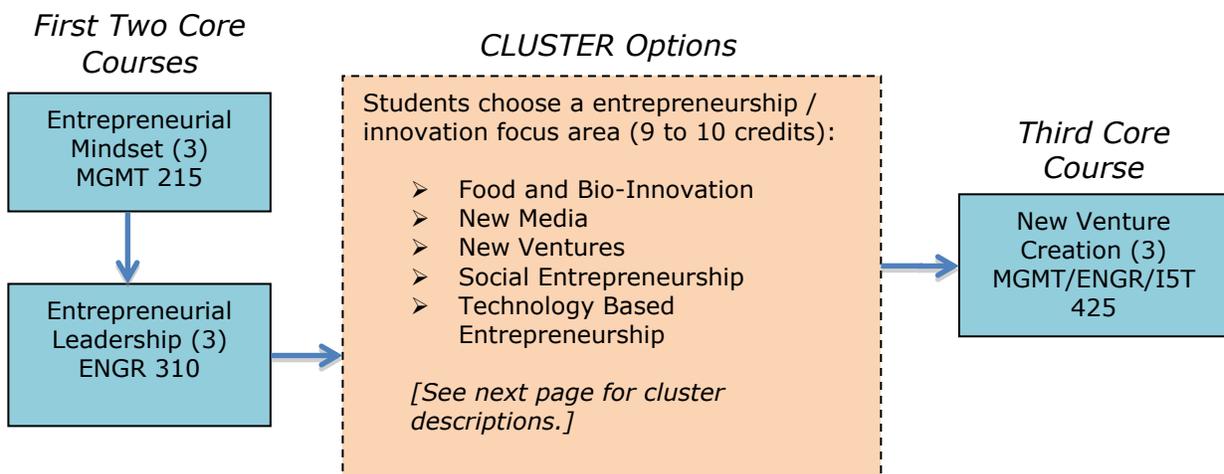


Announcing the new Intercollege Minor in Entrepreneurship and Innovation (ENTI)

The ENTI minor helps students to become innovation leaders, develop entrepreneurial mindsets, and be agents of positive change. The world needs new ways to deliver products and services to meet market needs and address significant problems in all disciplines including the arts, business, engineering, science, agriculture, healthcare, and education. The interdisciplinary ENTI minor is open to students in all majors who are interested in creating a new product or service to meet a need or creating their own jobs.

The ENTI courses develop skills in problem solving, opportunity recognition, self-efficacy (belief in one's ability to succeed), leadership, communication, and learning from failure. Penn State's majors prepare students with skills and knowledge for a variety of employment options or graduate school. The ENTI minor broadens students' education and Penn State experiences, enabling them to see challenges as opportunities and thrive in a job, class or activity that includes unknowns, deadlines and ambiguities.

The ENTI minor has two parts: 9 credits of required core courses (in blue), and 9-10 credits defined in entrepreneurship focus areas (called "clusters"). Diagram below shows the typical order of ENTI courses:



Students who are interested in the minor are encouraged to start the ENTI core course before their 4th semester, and should contact the ENTI Minor Director (Liz Kisenwether – exk13@psu.edu) or ENTI Minor Asst. Director (Brad Leve – jbl15@psu.edu). Students are also encouraged to participate in local entrepreneurship and innovation organizations and events:



For more information on the ENTI minor including cluster course descriptions, visit <http://www.enti.psu.edu>

ENTI CLUSTER OPTIONS

Food and Bio-Innovation Cluster

Total number of credits: 9

The Food and Bio-Innovation (F&BI) cluster helps students develop as entrepreneurs and innovators in the agriculture and life sciences space. This cluster emphasizes new thinking to apply solutions to: bolstering food supply-quality, human/animal health, agricultural security, renewable energy, renewable materials, and biological processes.

Food and Bio-Innovation Cluster Director:

Mark A. Gagnon

College of Agricultural Sciences

mag199@psu.edu

New Media Cluster

Total number of credits: 9

The New Media Cluster prepares students to capitalize on opportunities, and meet challenges in the creation and distribution news, entertainment and information. The internet and digital technologies have transformed the world of media, but the same technological innovations that make it easier to start a media enterprise have introduced a host of editorial, globalization, business and moral complexities. Students who complete this cluster gain expertise and working knowledge in: new media production and distribution, media business models and management, new media technologies and law and media ethics.

New Media Cluster Director:

Anne Hoag

College of Communications

amh13@psu.edu

New Ventures Cluster

Total number of credits: 9 or 10

The New Ventures Cluster is designed to help students develop the skills and ways of thinking required to create, develop, innovate and manage entrepreneurial companies. A successful start-up venture requires a wide range of managerial skills not usually demanded in one person within a larger organization, such as: acquiring and balancing limited resources, changing direction quickly, building a coherent team, managing intellectual property and creating new markets.

New Ventures Cluster Director:

Brad Leve

Smeal College of Business

jbl15@psu.edu

Social Entrepreneurship Cluster

Total number of credits: 9.5

The Social Entrepreneurship Cluster prepares students to effect sustainable and scalable social impact within marginalized communities in the United States and abroad. Classes are based in the Humanitarian Engineering and Social Entrepreneurship (HESE) program. The goal is to develop and deliver solutions that are technologically appropriate, environmentally benign, socially acceptable and economically sustainable.

Social Entrepreneurship Cluster Director:

Khanjan Mehta

College of Engineering

khanjan@enr.psu.edu

Technology Based Entrepreneurship Cluster

Total number of credits: 9

The Technology Based Entrepreneurship Cluster helps students develop entrepreneurial and intrapreneurial mind-sets for technology-based products and businesses. This cluster uses most of the courses from the Engineering Entrepreneurship (E-SHIP) Minor, the predecessor to the ENTI Minor. Students develop unique skills to thrive in multi-disciplinary teams—like the ones seen in industry - and encourages start-up technology-based companies. These cluster courses support development of consumer-based products and business-to-business products.

Technology based Entrepreneurship Cluster Director:

Philip G. Boyer

College of Engineering

pboyer@enr.psu.edu

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