

INFORMATION TECHNOLOGY ENTREPRENEURSHIP UNDERGRADUATE CERTIFICATE

Banner Code: VS-CERB-ITER

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This certificate prepares IT and engineering students for successful careers as entrepreneurs in the area of information technology. Specifically, they will acquire a unique body of knowledge related to innovation, both on the information technology/engineering/inventive side and on the entrepreneurial side, which will give them a competitive advantage in the difficult market where only very few new companies are able to survive and grow.

This certificate is designed for students who are working on or possess an undergraduate degree in information technology, computer science, engineering or a related domain and want to focus on IT innovation and entrepreneurship.

Students enrolled in the certificate must be part of an entrepreneurship team (E-Team) with the goal of creating an IT venture. The E-Teams will be mentored by faculty associated with the certificate. Students who will create, or be a core team member of, a start-up company that has cumulated revenues and funding of \$10,000 during their enrollment in the certificate will graduate with a Certificate of Excellence in IT Entrepreneurship.

The undergraduate certificate in Information Technology Entrepreneurship may be pursued on a full-time basis except when limited by prerequisite constraints.

Admissions & Policies

Admissions

Students must have information technology experience at the level of IT 106 Introduction to IT Problem Solving Using Computer Programming, IT 206 Object Oriented Techniques for IT Problem Solving, IT 213 Multimedia and Web Design, IT 214 Database Fundamentals, and IT 223 Information Security Fundamentals and either a BS in a technical field (with a 3.00 GPA or higher) or current enrollment in a technical undergraduate major.

Requirements

Certificate Requirements

Total credits: 28

Core Courses

MBUS 300	Accounting in a Global Economy	3
MBUS 301	Managing People and Organizations in a Global Economy	3
IT 343	IT Project Management	3
Total Credits		9

Electives

Select 12 credits from the following:		12
IT 315	Mobile Development	
IT 390	Rapid Development of Scalable Applications	
IT 436	Agile Web Development with Open Source Frameworks	
IT 490	Application Maintenance and Spiral Development	
IT 495	Turning Ideas into Successful Companies	
IT 496	Decision Making in IT Ventures	
MBUS 304	Entrepreneurship: Starting and Managing a New Enterprise	
Total Credits		12

Capstone Sequence Courses

IT 492	Senior Design Project I (Mason Core) (special section on IT Entrepreneurship)	3
IT 493	Senior Design Project II (Mason Core) (special section on IT Entrepreneurship)	4
Total Credits		7