

E-Learning Modules and Target Courses into which they are/will be Integrated

E-Learning Modules	Target Courses
1. Thinking creatively to drive innovation	EASC 1107: Introduction to Engineering
2. Developing customer awareness and quickly testing concepts through customer engagement	
3. Learning from failure	EASC 1109: Project Planning and Development
4. Generating new ideas based on societal needs and business opportunities	EASC 2213: Materials in Engineering Systems
5. Establishing the cost of production or delivery of a service, including scaling strategies	EASC 2232: Project Management and Engineering Economics
6. Determining market risks	EASC 3345: Applied Engineering Statistics
7. Innovating to solve problems under organizational constraints	CHME 3316: Transport Operations II CIVL 3323: Mechanics and Structures Laboratory CSCI 4497: Software Project Analysis and Design ELEC 3397: Junior Design Laboratory MECH 3330: Fundamentals of Mechanical Design SYST 3388: System Engineering Concepts and Design
8. Financing a business	EASC/ENTP 3323: Business Principles and Entrepreneurship for Engineers and Scientists
9. Developing a business plan that addresses stakeholder interests, market potential and economics	
10. Role of product in value creation	
11. Adapting a business to a changing climate	
12. Resolving difficult ethical issues	EASC 2215: Sustainability, Ethics and Professional Practice CSCI 3316: Social & Professional Issues in Computing CIVL 4407: Professional and Ethical Practice
13. Building, sustaining and leading effective teams and establishing performance goals	CHME 4411: Chemical Engineering Laboratory CIVL 3323: Mechanics and Structures Laboratory ELEC 3397: Junior Design Laboratory MECH 4415: Thermo/Fluids Laboratory SYST 3389: System Engineering Design Process
14. Advancing business prospect by building relationships with corporations and communities	Mandatory internships
15. Recruiting and servicing clients	
16. Applying systems thinking to complex problems	Disciplinary Senior Design Courses
17. The elevator pitch: advocating for your good ideas	
18. Defining and protecting intellectual property	