

## COE Elective Courses for the Entrepreneurship and Technology Management Track Academic Year 2007-2008

Students will be required to complete each of the following:

One 100-level economics course		varies	
ENGN 1900	The Construction of the Entrepreneurial Enterprise	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 6:00-8:30pm, M</li> <li>• J. Cohen</li> </ul>
ENGN 1930G/ 1930H	Entrepreneurship I and II—Capstone Project	<input checked="" type="checkbox"/> Fall 07 <input checked="" type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• ENGN 1930G: 2:00-2:50pm, MWF</li> <li>• E. Suuberg</li> </ul> Spring: <ul style="list-style-type: none"> <li>• ENGN 1930H: 2:00-2:50pm, MWF</li> <li>• E. Suuberg</li> </ul>
Independent Practicum			

and the four-course track in Technology Specialization as approved by the COE advisor in Engineering

*\*The math requirement can be met in various ways and is the calculus requirement for this track. One would be MATH 0190/MATH 0200; another would be MATH 0100/0180/APMA 0330; etc.*

### Example Entrepreneurship and Technology Management Specializations

***\*please note that the courses listed below are just samples of courses that can be taken to fulfill the technology specialization. Please speak with the Entrepreneurship and Technology Management advisor for your specific choice of courses.***

#### *Biotechnology*

BIOL 0170	Biotechnology in Medicine	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 12:00-12:50pm, MWF</li> <li>• M.J. Lysaght, E. Hawrot</li> </ul>
BIOL 0200	The Foundation of Living Systems	<input type="checkbox"/> Fall 07 <input checked="" type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Spring: <ul style="list-style-type: none"> <li>• S01: 11:00-11:50am, MWF</li> <li>• J.J. Stein, D.M. Rand, R.A. Reenan</li> </ul>
ENGN 0410	Materials Science	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 11:00-11:50am, W</li> <li>• B. W. Sheldon</li> <li>• S02: 9:00-9:50am, W</li> </ul>

			<ul style="list-style-type: none"> <li>• B.W. Sheldon</li> </ul>
ENGN 1490	Biomaterials	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 3:00-5:20pm, W</li> <li>• T. Webster</li> </ul>

*Nanotechnology*

ENGN 0410	Materials Science	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 11:00-11:50am, W</li> <li>• B. W. Sheldon</li> <li>• S02: 9:00-9:50am, W</li> <li>• B.W. Sheldon</li> </ul>
ENGN 1930B	Biophotonics	<input type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input checked="" type="checkbox"/> Not offered	N/A
ENGN 1490	Biomaterials	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 3:00-5:20pm, W</li> <li>• T. Webster</li> </ul>
ENGN 19300	MEMS Devices (Breuer Course)	<input type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input checked="" type="checkbox"/> Not offered	N/A

*Information Technology*

CSCI 0150	Introduction to Object Oriented Programming and Computer Science	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 2:30-3:50pm, TR</li> <li>• A. van Dam</li> </ul>
ENGN 0520	Electrical Circuits and Signals	<input type="checkbox"/> Fall 07 <input checked="" type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Spring: <ul style="list-style-type: none"> <li>• S01: 9:00-10:20am, T</li> <li>• H.F. Silverman</li> <li>• S02: 1:00-2:20pm, T</li> <li>• H.F. Silverman</li> <li>• S03: 9:00-10:20am, R</li> <li>• H.F. Silverman</li> <li>• S04: 1:00-2:20pm, R</li> <li>• H.F. Silverman</li> </ul>
ENGN 1630	Digital Electronics Systems Design	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 3:00-4:30pm, MW</li> <li>• W.R. Patterson</li> </ul>
ENGN 1640	Design of Computing Systems	<input type="checkbox"/> Fall 07 <input checked="" type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Spring: <ul style="list-style-type: none"> <li>• S01: 1:00-1:50pm, MWF</li> <li>• J. L. Dworak</li> </ul>

*Manufacturing and Design*

ENGN 0310	Mechanics of Solids and Structures	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 1:00-2:20pm, R</li> </ul>
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			<ul style="list-style-type: none"> <li>• P.R. Guduru</li> <li>• S02: 2:30-3:50pm, R</li> <li>• P.R. Guduru</li> </ul>
ENGN 1740	Computer Aided Visualization and Design	<input type="checkbox"/> Fall 07 <input checked="" type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Spring: <ul style="list-style-type: none"> <li>• S01: 1:00-2:20pm, TR</li> <li>• TBA</li> </ul>
ENGN 1930M	Industrial Design	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: Arranged (Instructor)</li> <li>• C. Bull</li> </ul>
APMA 1210	Operations Research: Deterministic Models	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 11:00-11:50am, MWF</li> <li>• S. Gottlieb</li> </ul>

*Energy and Environment*

ENGN 0720	Thermodynamics	<input type="checkbox"/> Fall 07 <input checked="" type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Spring: <ul style="list-style-type: none"> <li>• S01: 9:00-10:20am, T</li> <li>• K.S. Breuer</li> <li>• S02: 1-:30-11:50am, T</li> <li>• K.S. Breuer</li> </ul>
ENVS 0110	Environmental Issues: Policy and Science	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 10:00-10:50am, MWF</li> <li>• C.A. Karp</li> </ul>
ENGN 1130	Phase and Chemical Equilibria	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 2:30-3:50pm, TR</li> <li>• R.H. Hurt</li> </ul>
ENGN 1120	Chemical Reactor Design	<input type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input checked="" type="checkbox"/> Not offered	N/A

*Photonics and Device Technology*

ENGN 0510	Electricity and Magnetism	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 10:30-11:50am, T</li> <li>• A. Zaslavsky</li> <li>• S02: 1:00-2:20pm, T</li> <li>• A. Zaslavsky</li> <li>• S03: 10:30-11:50am, R</li> <li>• A. Zaslavsky</li> <li>• S04: 1:00-2:20pm, R</li> <li>• A. Zaslavsky</li> </ul>
ENGN 1590	Introduction to Semiconductors and Semiconductor Electronics	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 10:00-10:50am, MWF</li> <li>• J.R. Beresford</li> </ul>

ENGN 1930B	Biophotonics	<input type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input checked="" type="checkbox"/> Not offered	N/A
ENGN 1680	Design of Semiconductor Devices	<input type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input checked="" type="checkbox"/> Not offered	N/A

*Functional Materials*

ENGN 0410	Materials Science	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 11:00-11:50am, W</li> <li>• B. W. Sheldon</li> <li>• S02: 9:00-9:50am, W</li> <li>• B.W. Sheldon</li> </ul>
ENGN 1490	Biomaterials	<input checked="" type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input type="checkbox"/> Not offered	Fall: <ul style="list-style-type: none"> <li>• S01: 3:00-5:20pm, W</li> <li>• T. Webster</li> </ul>
ENGN 1480	Metallic Materials	<input type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input checked="" type="checkbox"/> Not offered	N/A
ENGN 1470	Structure and Properties of Non-Metallic Materials	<input type="checkbox"/> Fall 07 <input type="checkbox"/> Spring 08 <input checked="" type="checkbox"/> Not offered	N/A