

Dual Degree Optics/MBA Curricular Structure

FIRST YEAR				FIRST YEAR			
Fall Semester: 08/21/06 – 12/06/06 Eller Core Courses: 3 – 6:40 pm, MTWR				Spring Semester: 01/10/07 – 05/02/07 Eller Core Courses: 5-7:30 W; 2:30-6:40 pm; 9-11 F.			
Fall A Term: 08/21/06 – 10/11/06		Fall B Term: 10/16/06 – 12/06/06		Spring A Term: 01/08/07 – 02/26/07		Spring B Term: 03/05/07 – 05/03/07	
<i>Eller College</i>	Units		Units	<i>Eller College</i>	Units		Units
*ECON 550: Managerial Economics	2	*MKTG 510: Marketing Management	2	*ACCT 545: Managerial Accounting	2	*MAP 556: Teams and Leadership	2
*ACCT 540: Financial Accounting	2	**FIN 510: Survey of Finance	2	*MIS 560: Operations Management	2	*ECON 571: Competitive Strategy	2
MAP 509A+B: Business Communication/Professional Development (alternatively, may be taken in Fall of second year)			(3)				
<i>Optics</i>				<i>Optics</i>			
OPTI 501: Electromagnetic Waves			3	OPTI 505R: Diffraction and Interferometry			3
OPTI 512R: Linear Systems, Fourier Transforms			3	OPTI 511R: Optical Physics and Lasers			3
Total units for Fall:			14-17	Total units for Spring:			14
*** Summer Project Experience/ (with report) under the joint academic leadership of the McGuire Entrepreneurship Program and the 2nd degree program: Feasibility Study (3 units) – discipline-specific, may be tied to thesis or non-thesis project; ENTR 593 (3 units): internship/entrepreneurial profile development. 6 Units thesis/project work under leadership of 2 nd degree program, as applicable.							
SECOND YEAR				SECOND YEAR			
Fall Semester August 20 – December 5, 2007				Spring Semester January 16 – May 7, 2008			
<i>Eller College</i>				<i>Eller College</i>			
MIS 512 A+B, Management of Technology (elective)			(3-6)	International Capstone Experience/other elective			3
**Entrepreneurial Sequence (required) :MAP/ECON 536, Venture Development I, combined with MAP ECON 536 II, Competitive Advantage and Industry Analysis (3 units total)			3	**Entrepreneurial Sequence (required): MAP 539, Venture Development I.			3
MAP 509A+B (if not taken in Fall of first year)			(3)	*MKTG 579: Marketing of Innovation; MKTG 572, Marketing Research for Managers; MIS 528: Business Process Management Systems (one required)			3
<i>Optics</i>				<i>Optics</i>			
Optical Design and Instrumentation I			3	Optical Design and Instrumentation II			3
Solid State Optics			3	Photonic Devices and Systems			3
Fundamental of Applied Optics (Lab)			1	Fundamentals of Physical Optics (Lab)			1
Total units for Fall			13-17	Total units for Spring			16
TOTAL UNITS FOR DUAL DEGREE							72

Legend:

- * Focus on business foundations and community building.
- ** Introduction to new business development and foundations of finance.
- *** Integrated experiential learning.

Total units: 54 + 16 +2 = 72 units, which include 15 units counted toward both degrees (mainly units earned during summer projects/business communications).
 MBA requirements: 16 core + 23 elective units + 15 shared units = 54.