

Dual Degree MS-AME/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: 10/16/6 – 12/06/06		Spring A Term: 01/08/07 – 02/26/07		Spring B Term: 02/26/07 – 05/03/07	
Eller College	Units		Units	Eller College	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>MS with Specialization in AME</i>				<i>MS with Specialization in AME</i>			
AME 500A			3	AME 500B			3
AME course in chosen core area †			3	AME course in chosen core area †			3
AME Seminar 696g			1	AME seminar 696g			1
<b>Total units for Fall:</b>			<b>15-18</b>	<b>Total units for Spring:</b>			<b>15</b>
† Core areas are Dynamics and Control Systems, Fluid Mechanics, Solid Mechanics and Dynamics, and Thermal Sciences.							
*** <b>Summer Project Experience (with report) under the joint academic leadership of the McGuire Entrepreneurship Program and the 2<sup>nd</sup> degree program:</b>							<b>12</b>
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 <sup>nd</sup> degree program, as applicable.							
SECOND YEAR				SECOND YEAR			
Fall Semester: 8/20/07 – 12/05/07 MBA Class times vary by course				Spring Semester: 01/16/08 – 05/07/08 MBA class times vary by course			
Eller College				Eller College			
MIS/ENGR 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 509 A+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>MS with Specialization in AME</i>				<i>MS with Specialization in AME</i>			
AME course in chosen core area †			3	AME elective			3
Eller or Engineering elective OR AME Thesis			3	AME Report or Thesis			3
<b>Total units for Fall</b>			<b>12-15</b>	<b>Total units for Spring</b>			<b>15</b>
				<b>TOTAL UNITS FOR DUAL DEGREE</b>			<b>70-72</b>

Legend:

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

Total units: 54 + 16 units = 70, 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.