

**Example Course Schedule: Dual Degree Program, BS Industrial E/MS SSTP**

Term: Fall 1			Term: Spring 1		
Course Number & Title	CR	Prerequisite(s)	Course Number & Title	CR	Prerequisite(s)
University Arts & Science Perspectives (1)	3		University Arts & Science Perspectives (2)	3	
ISEE-120 Fundamentals of IE	4		MATH-182 Proj based Calc II	4	MATH-181
CHMG-131 General Chemistry for Engr	3		PHYS-211 Univ. Physics	4	MATH-181
MATH-181 Project-based Calculus I	3		Foundational Elective	3	
ISEE-140 Materials Processing	3		Writing Course	3	
<b>Term credit total:</b>	<b>16</b>		<b>Term credit total:</b>	<b>14</b>	
Term: Fall 2			Term: Spring 2		
Course Number & Title	CR	Prerequisite(s)	Course Number & Title	CR	Prerequisite(s)
ISEE-200 Computing for Engineers	3		MECE-200 Fundamentals of Mechanics	4	PHYS-211
University Arts & Science Perspectives (3)	3		ISEE-325 Engineering Statistics and Design of Experiments	3	STAT 251 or MATH 251
MATH-221 Multivariable & Vector Calc	4	MATH 182	ISEE-345 Engineering Economy	3	
MATH-251 Probability and Stat for Engineers I	3	MATH 182	MATH-233 Linear Systems and Diff Eq	4	MATH 182
PHYS-212 Univ. Physics II	4	PHYS-211, MATH 182	University Arts & Science Perspective 4	3	
<b>Term credit total:</b>	<b>17</b>		<b>Term credit total:</b>	<b>17</b>	
Term: Fall 3			Term: Spring 3		
Course Number & Title	CR	Prerequisite(s)	Course Number & Title	CR	Prerequisite(s)
CO-OP		ISEE-120, EGEN-99	ISEE-301 Operations Research	4	MATH-233
			ISEE-350 Engineering Management	3	ISEE-499
			ISEE-330 Ergonomics & Human Factors	4	ISEE-325 or STAT-252 or MATH-252 (co-req)
			ISEE-323 Facilities Planning	3	ISEE-301 (co-req)
			MECE-304 Fundamentals of Materials Science	2	
			MECE-306 Mat Sci with Applications Lab	1	MECE-304 (co-req)
<b>Term credit total:</b>	<b>0</b>		<b>Term credit total:</b>	<b>17</b>	
Term: Fall 4			Term: Fall 4		
Course Number & Title	CR	Prerequisite(s)	Course Number & Title	CR	Prerequisite(s)
ISEE-420 Production, Planning & Scheduling	3	ISEE-301, (STAT-251 or MATH-251)	Professional Elective 1:Public Policy Elective 1	3	ISEE-301
ISEE-460 Statistical Quality Control	3	ISEE-325 or STAT-252 or MATH-252 (co-req)	PUBL-702 Graduate Decision Analysis	3	
Free Elective 1: PUBL-701 Graduate Policy Analysis	3		Free Elective 2	3	
ISEE-510 Systems Simulation	3	ISEE-200, ISEE-301, ISEE-325 or STAT-252 or MATH-252 (co-req)	LAS Immersion 2	3	
LAS Immersion 1	3		LAS Immersion 3	3	
<b>Term credit total:</b>	<b>15</b>		<b>Term credit total:</b>	<b>15</b>	
Term: Summer 4			Term: Spring 5		
Course Number & Title	CR	Prerequisite(s)	Course Number & Title	CR	Prerequisite(s)
Co-op (ISEE-499)		ISEE-120, EGEN-99	ISEE-498 Senior Design II	3	ISEE-497
			STSO-740 Sci Tech Policy	3	
			Professional Elective 4	3	
			Thesis Research	6	
<b>Term credit total:</b>	<b>18</b>		<b>Term credit total:</b>	<b>15</b>	

Counts Towards Both BS and MS. This is just one way to double count classes. Talk to your advisor for other options.

Counts Towards MS