

**SOUTHERN UTAH UNIVERISTY**  
**INTEGRATED ENGINEERING PROPOSED 5-YEAR SCHEDULE 2011-12**

For students unable to start in MATH 1210, Calculus I, their first semester

FALL 1st YEAR			offered	credits	SPRING 1st YEAR			offered	credits
ENGR	1010	<i>Engineering in the 21st Century (GE)</i>	F/S	3	ENGL	2010	<i>Intermediate Writing</i>	F/S/M	3
ENGL	1010	<i>Intro to Academic Writing</i>	F/S/M	3	MATH	1060	<i>Trigonometry</i>	F/S/M	3
MATH	1050	<i>College Algebra</i>	F/S/M	4	ENGR	1030	<i>Computer Aided Design Computer Aided Drafting</i>	F/S	3
UNIV	1000	<i>First Year Seminar</i>	F/S	1			<i>General Knowledge GE Course</i>	varies	3
LM	1010	<i>Information Literacy</i>	F/S/M	1					
UNIV	1010	<i>Intro to EER</i>	F/S	1					
TOTAL:				<b>13</b>	TOTAL:				<b>12</b>
FALL 2nd YEAR			offered	credits	SPRING 2nd YEAR			offered	credits
MATH	1210	<i>Calculus I</i>	F/S/M	4	MATH	1220	<i>Calculus II</i>	F/S	4
CHEM	1210/15	<i>Princ of Chemistry I &amp; Lab (GE)</i>	F/M	5	CSIS	1040	<i>Programming MatLab/Java</i>	S	3
		<i>American Institutions Course</i>	varies	3	PHYS	2210/15	<i>Physics for Scien.s &amp; Engrs I/Lab</i>	F/S	5
		<i>General Knowledge GE Course</i>	varies	3			<i>General Knowledge GE Course</i>	varies	3
TOTAL:				<b>15</b>	TOTAL:				<b>15</b>
FALL 3rd YEAR			offered	credits	SPRING 3rd YEAR			offered	credits
MATH	2210	<i>Calculus III</i>	F/S	4	ENGR	2140/45	<i>Strength of Materials</i>	S	4
PHYS	2220/25	<i>Physics for Scien.s &amp; Engrs II/Lab</i>	F/S	5	ENGR	2030	<i>Dynamics</i>	S	3
MATH	2250	<i>Linear Algebra &amp; Dif Equations</i>	F	4	ENGR	2270/75	<i>Electric Circuits/Lab</i>	S	4
ENGR	2010	<i>Statics</i>	F	3	UNIV	3925	<i>EER Proposal</i>	F/S	1
TOTAL:				<b>16</b>	TOTAL:				<b>12</b>
FALL 4th YEAR			offered	credits	SPRING 4th YEAR			offered	credits
ENGR	3010/15	<i>Material Science Engr/Lab</i>	F	4	ENGR	3050/55	<i>Fluid Mechanics/Lab</i>	S	4
ENGR	3045	<i>Engineering Design Lab I</i>	F	2	ENGR	3095	<i>Engineering Design Lab II</i>	S	3
ENGR	3000	<i>Thermodynamics</i>	F	3	ENGR	4000/05	<i>Mechatronics/Lab</i>	S	5
ENGR	4030/35	<i>Electronics/Lab</i>	F	4	ENGR	4050	<i>Structural Analysis</i>	F	3
ENGL	3120	<i>Writing in the Sciences</i>	F	3					
TOTAL:				<b>16</b>	TOTAL:				<b>15</b>
FALL 5th YEAR			offered	credits	SPRING 5th YEAR			offered	credits
ENGR	4060	<i>Manufacturing</i>	F	3	FIN	3250	<i>Managerial Finance (HU GE)</i>	F/S	3
ENGR	4010	<i>Heat Transfer</i>	F	3	ENGR	4085	<i>Integr. Engr Design Lab II</i>	S	3
ENGR	4070	<i>Int Steel &amp; Concrete</i>	F	3					
ENGR	4025	<i>Integr. Engr Design Lab I</i>	F	3	UNIV	4925	<i>Synthesis and Reflection</i>	F/S	1
TOTAL:				<b>12</b>	TOTAL:				<b>7</b>