

## SOUTHERN UTAH UNIVERISTY

### BSE - MANUFACTURING ENGINEERING CONCENTRATION PROPOSED 4-YEAR SCHEDULE 2016-17

FALL 1st YEAR					SPRING 1st YEAR					
		<i>offered</i>	<i>credits</i>			<i>offered</i>	<i>credits</i>			
MATH	1210	<i>Calculus I</i>	F/S/Su	4	MATH	1220	<i>Calculus II</i>	F/S	4	
ENGR	1010	<i>Eng in the 21st Century (IND GE)</i>	F/S	3	PHYS	2210/15	<i>Phys for Scient's &amp; Engrs I &amp; Lab</i>	F/S	5	
ENGR	1000	<i>Eng Success</i>	F/S	1	ENGR	1030	<i>Computer Assisted Design</i>	F/S	3	
CSIS	1000	<i>Computer Applications</i>	F/S/Su	3	EDGE	1010	<i>Becoming an Engaged Learner</i>	F/S	1	
LM	1010	<i>Information Literacy</i>	F/S/Su	1	ENGL	2010	<i>Intermediate Writing (APA recomm'd)</i>	F/S/Su	3	
ENGL	1010	<i>Intro to Academic Writing</i>	F/S/Su	3						
TOTAL:				15	TOTAL:				16	
FALL 2nd YEAR					SPRING 2nd YEAR					
		<i>offered</i>	<i>credits</i>			<i>offered</i>	<i>credits</i>			
MATH	1040	<i>Statistics</i>	F/S	4	MATH	2210	<i>Calculus III</i>	F/S	4	
PHYS	2220/25	<i>Phys for Scient's &amp; Engrs II &amp; Lab</i>	F	5	CHEM	1210/15	<i>Princ of Chemistry I &amp; Lab (PS GE)</i>	F/S	5	
ENGR	2010	<i>Statics</i>	F	3	ENGR	2140/45	<i>Strength of Materials &amp; Lab</i>	S	4	
ENGL	3120	<i>Writing in the Sciences</i>	F	3	ENGR	2030	<i>Dynamics</i>	S	3	
TOTAL:				15	TOTAL:				16	
FALL 3rd YEAR					SPRING 3rd YEAR					
		<i>offered</i>	<i>credits</i>			<i>offered</i>	<i>credits</i>			
MATH	2250	<i>Linear Algebra &amp; Diff Equations</i>	F	4	ENGR	2250/55	<i>Electrical Circuits &amp; Lab</i>	S	4	
ENGR	3000	<i>Thermodynamics</i>	F	3	ENGR	3030	<i>Technical Project Management</i>	S	3	
CCET	2690	<i>Fundamentals of Manufacturing</i>	F	3	ENGR	3050/55	<i>Fluid Mechanics &amp; Lab</i>	S	4	
		<i>GE Life Sciences</i>	F/S/Su	3	CCET	3680	<i>CNC Design</i>	S	3	
		<i>GE Fine Arts</i>	F/S/Su	3			<i>GE American Institutions</i>	F/S/Su	3	
TOTAL:				16	TOTAL:				17	
FALL 4th YEAR					SPRING 4th YEAR					
		<i>offered</i>	<i>credits</i>			<i>offered</i>	<i>credits</i>			
ENGR	3010/15	<i>Material Science Engr &amp; Lab</i>	F	4	ENGR	4085	<i>Engineering Capstone Design II</i>	S	3	
ENGR	4025	<i>Engineering Capstone Design I</i>	F	3	ENGR	4060	<i>Manufacturing</i>	S	3	
ENGR	4030/35	<i>Electronics &amp; Lab</i>	F	4	* ENGR	XXXX	<i>Engineering Elective (see below)</i>	F/S	3*4*	
CCET	4690	<i>CNC Software</i>	F	3	EDGE	40XX	<i>Project Completion and Reflection</i>	F/S/Su	1	
EDGE	30XX	<i>Project Proposal and Planning</i>	F/S/Su	1			<i>GE Social Science</i>	F/S/Su	3	
TOTAL:				15	TOTAL:				13/14	

*Manufacturing Electives to choose from				
ENGR	2170	<i>Programming for Engineers</i>	F	3
ENGR	4000/05	<i>Mechatronics/Lab</i>	S	4
ENGR	4010	<i>Heat Transfer</i>	F	3
ENGR	4050	<i>Structural Analysis</i>	F	3
ENGR	4300	<i>Vibrations</i>	S	3
ENGR	4200	<i>Advanced Electronic Systems Architectur</i>	F	3

\* Could be 4 Credits if you choose Engineering