

**SSE 107 Curriculum Plan (Required)**

	Subject	Credits	1st		2nd		3rd		4th		Remark
			Year		Year		Year		Year		
			F	S	F	S	F	S	F	S	
Fundamental Courses 14 Credits	11001-Chinese	4	2	2							
	16036-Freshman English	6	3	3							
	16059-Sophomore English	4			2	2					
	01001-Military (Only for Local Students)										
	02001-Freshman PE										
	02002-Sophomore PE										
	00002-Labor Education										
General Education 15 Credits	91053-GL:Trends in Global Ecology & Environmental Change	3	3								substitute 3 credits for natural science
	91054-GL:Personal Identity in Historical Perspective	3		3							substitute 3 credits for humanities
	91055-GL:International Political, Social ,and Economics Policy	3			3						substitute 3 credits for social
	91056-GL:Trends in Culture & the Arts	3				3					substitute 3 credits for humanities
	91057-GL:Leadership & Global Citizen for the 21 Century	3				3					substitute 3 credits for social
Compulsory Subject 52 Credits	92001-General Chemistry	3	3								
	92002-Chemistry Laboratory	1	1								
	92007-Calculus	3	3								
	92005-Introduction to Sustainability Science and Engineering	3		3							
	92006-Material and Energy Balance	3		3							
	92003-Physics	3		3							
	92008-Economics	3			3						
	92004-Ecology	3			3						
	92043-Principles of Unit Operations in Chemical Engineering	3			3						
	92010-Pollution Prevention and Control	3				3					
	92011-Green Chemistry and Cleaner Production	3				3					
	92012-Renewable Energy Process Design	3				3					
	92013-Sustainable Resources Management	3					3				
	92014-Health Risk Assessment and Management	3						3			
	92015-Sustainability Governance	3						3			
	92016-Industrial Ecology and Eco-industrial Development	3						3			
92017-Senior Project (I)	3							3			
92018-Senior Project (II)	3								3		
	<b>Required Credits</b>	<b>81</b>	<b>15</b>	<b>17</b>	<b>14</b>	<b>17</b>	<b>3</b>	<b>9</b>	<b>3</b>	<b>3</b>	
	<b>Elective Credits</b>	<b>47</b>	At least 20 credits of elective courses in SSE courses/IC courses								
	<b>Graduation Credits</b>	<b>128</b>									