

## SSE 107 Curriculum Plan (Required)

Updated: December 06, 2021

	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	2			2						substitute 2 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>80</b>	<b>15</b>	<b>17</b>	<b>13</b>	<b>17</b>	<b>3</b>	<b>9</b>	<b>3</b>	<b>3</b>	
	<b>Elective Credits</b>	<b>48</b>	At least 20 credits of elective courses in SSE courses/IC courses. 需選修系內選修課程至少20學分。(含國際學院所開選修課程)								
	<b>Graduation Credits</b>	<b>128</b>									

說明：

一、本必修科目表適用於本學年度入學新生。(110.11.16教務會議通過) 前次修訂時間為(105.04)(106.04)(107.11)

二、入學新生須符合本校學生體育畢業門檻實施辦法之規定。

三、入學新生須符合本校英文能力畢業門檻實施辦法之規定。

Note:

1. The curriculum apply to the students who register the mentioned academic year.

2. Students must complete the Physical Education Exit Requirement.

3. Students must complete the English Exit Requirement.