

**REQUIRED COURSES FOR SUSTAINABILITY OPTION OF STUDY IN FOOD SCIENCE**

S. No.	Category	Courses	Cr	Sum Cr
	<b>CORE + FS MAJOR- 5 courses</b>			<b>18</b>
1		QQ- 01:640:135/151	Calculus I	4
2		QR - 01:960:211/285/401	Statistics	3
3		NS - 01:119:115	General Biology I	4
4		NS- 01:160:161	General Chemistry I	4
5		EBE- 11:400:493/494/SPIN	Experience- based Education	3
	<b>SEBS CORE ONLY- 8 courses</b>			<b>24</b>
6		WC	Expository Writing	3
7, 8		CC	Contemporary Challenges- 2 courses*	6
9		A & H	Arts and Humanities	3
10, 11, 12		HST, SCL	Historical, Social Analysis - 3 courses	9
13		WCD	2nd writing course	3
	Recommended core courses for Sustainability Option			
	Historical Analysis	Water & Society 11:374:115 (3)		
	Social Analysis - Soc	Environment & Society 01:450:211 (3) / Environmental Issues in the United States 11:372:202 (3)		
	Social Analysis- Gov	Natural Resource Economics 11:373:362 (3)		
	Arts & Humanities	Eating Right: The Ethics of Food Choices and Food Policy 01:730:252 (3)		
	Writing & Communication	Conservation Ecology 11:216:317 (3)/ Communication and Social Change 04:192:446 (3)		
	Contemporary Challenges- CCO	Foods: from Field to Table* 11:400:107; Required course for this option		
	<b>Food Science- 12 courses</b>			<b>28</b>
14		11:400: 103 OR 104	Science of Food / Food & Health	3
15, 16		11:400: 201 + 202	Principles of Food Science + lab	5
17		11: 400: 301	Food Processing Technologies	4
18		11:400:314	Food Science Food Laws	2
19		11:400:405	Sensory Evaluation	3
20, 21		11:400:411+ 413	Food Chemistry + lab	4
22		11:400:412	Food Product Development	3
23, 24		11:400:423+ 424	Food Microbiology + lab	4
	<b>SCIENCE COURSES- 8 courses</b>			<b>22</b>
25, 26		01:160:209+ 211	Elementary Organic Chemistry + lab	4
27		01:750:193/201/203,205	Physics with lab	4
28		11:115:301	Biochemistry	3
29, 30		01:119:116 + 117	General Biology II + lab	6
31, 32		01:160:162 + 171	General Chemistry II + lab	5
	<b>SUSTAINABILITY COURSES- 8 courses</b>			<b>24</b>
33		11:374:299	Introduction to Sustainability	3
34		11:373:202	Sustainability Decision Tools	3
35		11:216:320	Sustainable Environment Management	3
36		11:020:337	Sustainability: Tackling Food Waste	3
37		11:375:302	Waste Water Treatment	3
38		33:799:301	Supply Chain Management	3
39		11:400:422	Food Safety: Fads, Facts and Politics	3
40		11:374:430	Sustainability Elective- Risk, Health & Safety	3
41	<b>ELECTIVE COURSE - 1 course</b>			<b>4**</b>
			** A 3-cr elective and 1 extra credit for EBE can be taken	
		<b>Total number of credits</b>		<b>120</b>