

SEBS Food Science Major – Pre-Med/Pre-Dental Pathway

One pathway to Food Science major includes 18 elective credits, which pre-med/pre-dental students use for professional school prerequisites.

Required SEBS Core Courses for Food Science Major AND Pre-med/Pre-dental Program		Credits
General Biology I, II and lab (01:119:115, 116, 117)		10
General Chemistry I, II and lab (01: 160: 161, 162, 171)		9
Calculus I (01: 640:135 or 151)		4
Statistics (01:960: 401)		3
	Credits	26
Required SEBS Core Courses for graduation		
College Writing and Writing in Discipline (WC, WCD)		6
Contemporary Challenges (CC)		6
Arts & Humanities (A & H)		3
Social Analysis(SCL), Historical Analysis (HST)**		9
Experiential Learning (11:400:493 and/or 11:400:494 or as approved)		3
	Credits	27
Required Courses for Food Science Major		
Organic Chemistry I, II and lab (01:160:307, 308, 311;)** **Pre-med and pre-dental students must complete advanced Organic Chemistry + lab, while Food Science majors complete <i>Elementary Organic Chemistry + Lab</i> (01:160:209, 211; 4 cr).		9
Physics I with lab (01:750:193/201)		4
Biochemistry (11:115:301/ 01:694:315)		3
Science of Food OR Food and Health (11:400:103/104)		3
Principles of Food Science + lab (11:400:201, 202)		5
Food Processing Technologies (11:400:301)		4
Food Process Engineering (11:400:302)		3
Food Analysis + lab (11:400:304, 305)		4
Current Issues in Food Science Food Laws (11:400:314)		2
Sensory Evaluation of Foods (11:400:405)		3
Food Chemistry + lab (11:400:411, 413)		4
Food Product Development (11:400:412)		3
Food Physical Systems (11:400:419)		3
Food Microbiology + lab (11:400:423, 424)		4
	Credits	54

Required Courses for Pre-Med/Pre-Dental Program	
Psychology**	0/3**
Sociology**	0/3**
Physics II	4
Physiology	4
Genetics	4
	15
TOTAL NUMBER OF CREDITS	122

**Pre-med students are required to take both *General Psychology* and *Introduction to Sociology*. Both these courses satisfy the SCL (Social/Cultural) requirement of the Core Curriculum; therefore, only one of the course credits is used to calculate the total credits required for graduation.

Health Professions Office, Rutgers: <https://hpo.rutgers.edu/students/current-students/first-year-students>

Take the right courses. If you are hoping to apply to medical, dental, optometry, physician assistant, or podiatry school, you have to fulfill the following prerequisites (usually by the time you are ready to apply in your junior or senior year):

1 year of Biology with Lab (119:115-116, 117)	1 year of General Chemistry with Lab (160:161-162, 171)
1 year of Organic Chemistry with Lab (160:307-308, 311)	1 year of Physics with Lab (750:203-204, 205, 206)
1 year of college level Math (including one semester of Statistics)	1 year of English/Writing (355:101, plus 1 additional course)
1 semester of Psychology	1 semester of Sociology
1 semester of Biochemistry (694:395/407 OR 115:301)	1 semester of Statistics (any Stats course will suffice)