

Gloucester County College  
**FOOD SCIENCE**  
**Associate in Science (A.S.) – Transfer**  
**Program Requirements**

The Associate Degree in Food Science will provide students with the foundational study of physical, biological, and chemical sciences as well as an understanding of the scientific makeup of food. Additionally, students will learn the fundamentals of food processing and preservation according to the specifications and regulations of industry and government. Students who have completed the program will be able to:

- Transfer to a four year institution to complete their B.S. degree in Food Science.
- Enter any science degree program.
- Explain and describe why science is important for the study for food science.

**Required Core and Elective Courses**

<b><u>Communications</u></b>		<b><u>Credits</u></b>
COM 101	English Composition I	3
COM 102	English Composition II	3
<b><u>Humanities</u></b>		
___ ___	Humanities Elective	3
<b><u>Social Science</u></b>		
___ ___	Social Science Elective	3
___ ___	Social Science or Humanities Elective	3
<b><u>HPE</u></b> ___	Health and Physical Education Elective	1-3
<b><u>Mathematics</u></b>		
MAT 108	Calculus I	4
MAT 122	Calculus II	4
<b><u>Science</u></b>		
BIO 101	General Biology I	4
BIO 102	General Biology II	4
CHM 111	General Chemistry I	4
CHM 112	General Chemistry II	4
CHM 201	Organic Chemistry I	4
CHM 202	Organic Chemistry II	4
PHY 103	General Physics I	4
FSC 106	ABCs of food Science	4
FSC 201	Principles of Food Science	3
FSC 202	Principles of Food Science Lab	2
<b><u>General Education Elective*</u></b>		<b>3-4</b>
<b><u>TOTAL MINIMUM CREDITS:</u></b>		<b>64</b>

\* Students planning to transfer to Delaware Valley College, Cornell University or the Pennsylvania State University should take BIO 215 (Microbiology); students transferring to Rutgers should take PHY 104 (General Physics II).

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**Four Semester Sequence of Courses**

<u>FIRST YEAR - Fall Semester</u>	<u>Credits</u>
___ COM 101 English Composition I	3
___ CHM 111 General Chemistry I	4
___ FSC 106 ABCs of Food Science	4
___ _____ General Education Elective	3-4
___ _____ Health and Physical Education Elective	1-3
	<b>15-18</b>
 <u>Spring Semester</u>	
___ COM 102 English Composition II	3
___ CHM 112 General Chemistry II	4
___ BIO 101 General Biology I	4
___ MAT 108 Calculus I	4
___ _____ Social Science Elective	3
	<b>18</b>
 <u>SECOND YEAR - Fall Semester</u>	
___ CHM 201 Organic Chemistry I	4
___ BIO 102 General Biology II	4
___ PHY 103 General Physics I	4
___ _____ Humanities Elective	3
	<b>15</b>
 <u>Spring Semester</u>	
___ CHM 202 Organic Chemistry II	4
___ FSC 201 Principles of Food Science	3
___ FSC 202 Principles of Food Science Lab	2
___ MAT 122 Calculus II	4
___ _____ Social Science or Humanities Elective	3
	<b>16</b>
<b><u>TOTAL MINIMUM CREDITS:</u></b>	<b>64</b>