



RUTGERS-NEW BRUNSWICK

## Nutritional Sciences

School of Environmental  
and Biological Sciences

### COURSE LIST FOR THE BIOMEDICAL NUTRITION OPTION NUTRITIONAL SCIENCES MAJOR

_____ 11:709:255	Nutrition & Health (3, F/S/Su)
_____ 11:709:427	Obesity: Biology, Behavior & Management (3) <b>or</b>
_____ 11:709:443	Methods in Sensory Analysis (3) <b>or</b>
_____ 11:709:475	Nutrition and Fitness (3)
_____ 11:709:400	Advanced Nutrition: Macronutrients (3, F)
_____ 11:709:401	Advanced Nutrition: Energy and Micronutrients (3, S)
_____ 11:709:402+	Advanced Nutrition: Readings for Macronutrients (3, F)
_____ 11:709:403+	Advanced Nutrition: Readings for Energy and Micronutrients (3, S)
_____ 11:709:481	Seminar in Nutrition
_____ 11:709:493/494	Research in Nutrition (3, F/S/Su, in consultation with EL mentor)
_____ 11:709:499	Nutritional Sciences Senior Survey (0, F/S)
_____ 01:119:115-116	General Biology I & II (4, 4, F/S)
_____ 01:119:117	Biological Research Lab (2, F/S)
_____ xx:xx:3xx-4xx	One Advanced Life Sciences course (3-4, F/S) <b>from</b> 01:119:3xx-4xx or 01:146:3xx-4xx or 01:447:3xx-4xx or 01:694:3xx-4xx or 11:067:3xx-4xx or 11:115:3xx-4xx or 11:126:3xx-4xx or 11:370:3xx-4xx or 11:400:3xx-4xx or 11:680:3xx-4xx*
_____ 01:146:356,357	Systems Physiology, Lab (3,1, F/S)
_____ 01:160:161-162	General Chemistry I & II (4, 4, F/S/Su)
_____ 01:160:171	Introduction to Experimentation Lab (1, F/S/Su)
_____ 01:160:307-308	Organic Chemistry I & II (4, 4, F/S/Su)
_____ 01:160:311	Organic Chemistry Lab (2, F/S)
_____ 01:447:380	Genetics (4, F/S)
_____ 01:640:135	Calculus I (4, F/S) or equivalent
_____ 11:115:301	Introduction to Biochemistry (3) <b>or</b>
_____ 11:115:403-404	General Biochemistry (4, 4, F/S) <b>or</b>
_____ 01:694:395	Biochemistry of Life Sciences (3) <b>or</b>
_____ 01:644:407-408	Molecular Biology and Biochemistry (3, 3)
_____ 01:750:203-204	General Physics (3, 3, F/S)
_____ 01:750:205-206	General Physics Lab (1, 1, F/S)
_____ 01:960:401	Basic Statistics for Research (3, F/S)

**Many courses have prerequisites. Please see catalogue descriptions.**

**Students must achieve a "C" or better in all required biological sciences, biochemistry, chemistry and nutrition courses before taking 709:400, 401 and 498.**

+ Recommended but not required

F = Fall Semester; S = Spring Semester; Su = summer; Check schedule of classes to confirm.

\*Specific Life Sciences course must be approved by the department.



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**NUTRITIONAL SCIENCES MAJOR**  
**BIOMEDICAL NUTRITION OPTION**

**Sample Program**

<b>FALL</b>		<b>SPRING</b>	
01:160:161 01:355:101 01:640:135	General Chemistry I (4) College Writing (3) Calculus I (4)  <i>Elective Area/Core course</i>	01:160:162 01:160:171	General Chemistry II (4) Intro to Experimentation (1)  <i>Elective Area/Core course</i>
01:119:115 01:160:307 11:709:255 01:960:401	General Biology I (4) Organic Chemistry I (4) Nutrition & Health (3) Basic Statistics for Research (3)	01:119:116 01:119:117 01:160:308 01:160:311	General Biology II (4) Biological Research Lab (2) Organic Chemistry II (4) Organic Chemistry Lab (2)
01:447:380 01:750:203 01:750:205 11:115:301  3xx or 4xx	Genetics (4) General Physics (3) Physics Lab (1) Intro to Biochemistry (3) or equivalent  Advanced Biology course (3-4) <i>Elective Area/Core course</i>	01:146:356 01:146:357 01:750:204 01:750:206	Systems Physiology (3) Systems Physiology Lab (1) General Physics (3) Physics Lab (1)  <i>Elective Area/Core course</i>
11:709:400 11:709:402 ** 11:709:493 *	Advanced Nutrition: Macronutrients (3) Adv. Nutrition: Readings for Macronutrients (1) Research in Nutrition (3)  <i>Elective Area/Core course</i>	11:709:401 11:709:403 **  11:709:481 11:709:499	Advanced Nutrition: Energy and Micronutrients (3) Adv. Nutrition: Readings for Energy and Micronutrients (1) Seminar in Nutrition (1.5) Nutritional Sciences Senior Survey (0)  <i>Elective Area/Core course</i>

**Note:** It is strongly advised that Biology, Calculus and Chemistry be taken first year. However, it is most critical to take Chemistry in the first year. Please consult an advisor if you wish to delay Biology or Calculus.

\* May be taken in Spring as 494; see advisor to arrange and our Experiential Learning site for more information:  
<https://nutrition.rutgers.edu/undergraduate/experiential-learning.html>

\*\* Recommended but not required.

For more information on undergraduate courses for the major, please visit:  
<https://nutrition.rutgers.edu/undergraduate/courses/>