

**COURSE LIST FOR THE BIOMEDICAL NUTRITION OPTION
NUTRITIONAL SCIENCES, 709**

_____ 11:709:255	Nutrition & Health (3, F/S/Su)
_____ 11:709:427	Obesity: Biology, Behavior & Management (3) or
_____ 11:709:443	Methods in Sensory Analysis (3) or
_____ 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 (1, F)
_____ 11:709:403+	Advanced Nutrition: Readings for Energy & Micronutrients (1, S)
_____ 11:709:481	Seminar in Nutrition (1.5, F/S)
_____ 11:709:493, 494	Research in Nutritional Sciences (3, F/S/Su, in consultation with advisor)
_____ 01:119:115-116	General Biology I & II (4, 4, F/S)
_____ 01:119:117	Biological Research Lab (2)
_____ xx:xxx:3xx-4xx	One Advanced Life Sciences course (3-4, F/S) from 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, ^{356-Su})
_____ 01:160:161, 101	General Chemistry I (4, F/S/Su)
_____ 01:160:162, 102	General Chemistry II (4, F/S/Su)
_____ 01:160:171	Introduction to Experimentation Lab (1, F/S/Su)
_____ 01:160:307-308, 311	Organic Chemistry, Lab (4, 4, 2, F/S)
_____ 01:447:380	Genetics (4, F/S)
_____ 01:640:135	Calculus I (4, F/S)
_____ 11:115:301	Introductory Biochemistry (3) or
_____ 11:115:403-404	General Biochemistry (4, 4, F/S) or
_____ 01:694:395	Biochemistry for Life Sciences (3) or
_____ 01:694:407-408	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.

Revised June 3, 2024

**NUTRITIONAL SCIENCES MAJOR
BIOMEDICAL NUTRITION OPTION
Sample Program**

FALL		SPRING	
01:160:161 01:355:101 01:640:135	General Chemistry I (4) College Writing I (3) Calculus (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 (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 (4) Organic Chemistry Lab (2)
01:447:380 01:750:203 01:750:205 11:115:301 11:115:403 3xx or 4xx	Genetics (4) General Physics (3) Physics Lab (1) Intro to Biochemistry (3) or General 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 11:115:404	Systems Physiology (3) Systems Physiology Lab (1) General Physics (3) Physics Lab (1) General Biochemistry [†] (3) <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 11:709:498 **	Advanced Nutrition: Energy and Micronutrients (3) Adv. Nutrition: Readings for Energy and Micronutrients (1) Seminar in Nutrition (1.5) Nutrition & Disease (3) <i>Elective Area/Core course</i>

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

** Recommended but not required

† Pre-requisite is General Biochemistry I (11:115:403), ONLY if you plan on taking two semesters rather than one semester of biochemistry.

For more information on undergraduate courses for the major, please visit:

<https://nutrition.rutgers.edu/undergraduate/courses/>