

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

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| _____ 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 | General Biology Lab (2) |
| | 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* |
| _____ xx:xxx:3xx-4xx | |
| _____ 01:146:356, 357 | Systems Physiology, Lab (3, 1, F/S, ^{356-Su}) |
| _____ 01:160:161, 101 | General Chemistry I & Recitation (4, 1, F/S/Su) |
| _____ 01:160:162, 102 | General Chemistry II & Recitation (4, 1, 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 Molecular |
| _____ 01:694:407-408 | 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 April 5, 2024

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

| FALL | SPRING |
|---|--|
| 01:160:161,101 General Chemistry I & Recitation (4,1) 01:350:101 Expository Writing I (3) 01:640:135 Calculus (4) <i>Elective Area/Core course</i> | 01:160:162,102 General Chemistry II & Recitation (4,1) 01:160:171 Intro to Experimentation (1) <i>Elective Area/Core course</i> |
| 01:119:115 General Biology I (4) 01:160:307 Organic Chemistry (4) 11:709:255 Nutrition & Health (3) 01:960:401 Basic Statistics for Research (3) | 01:119:116 General Biology II (4) 01:119:117 General Biology Lab (4) 01:160:308 Organic Chemistry (4) 01:160:311 Organic Chemistry Lab (2) |
| 01:447:380 Genetics (4) 01:750:203 General Physics (3) 01:750:205 Physics Lab (1) 11:115:301 Intro to Biochemistry (3) or 11:115:403 General Biochemistry (3) or equivalent 3xx or 4xx Advanced Biology course (3-4) <i>Elective Area/Core course</i> | 01:146:356 Systems Physiology (3) 01:146:357 Systems Physiology Lab (1) 01:750:204 General Physics (3) 01:750:206 Physics Lab (1) 11:115:404 General Biochemistry [†] (3) <i>Elective Area/Core course</i> |
| 11:709:400 Advanced Nutrition: Macronutrients (3) 11:709:402 ** Adv. Nutrition: Readings for Macronutrients (1) 11:709:493 * Research in Nutrition (3) <i>Elective Area/Core course</i> | 11:709:401 Advanced Nutrition: Energy and Micronutrients (3) 11:709:403 ** Adv. Nutrition: Readings for Energy and Micronutrients (1) 11:709:481 Seminar in Nutrition (1.5) 11:709:498 ** 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/>