

# NUTRITION AND FOOD SCIENCE (B.S.) (COMBINED B.S./M.S. NUTRITION AND FOOD SCIENCE)

A Combined Degree program enables undergraduate students to enroll in graduate courses in their senior year, which can be counted towards the completion of both their Bachelor's and Master's degree requirements.

The ability to take these "swing courses" allows students to earn both their Bachelor's and Master's degrees in a shortened period of time, typically within five years. Undergraduate students interested in this option can find more information regarding program requirements on the University's Combined Programs website (<https://www.montclair.edu/combined-programs/programs-of-study/>).

## Program Requirements

Students in this combined degree program must complete the requirements for:

Nutrition and Food Science (B.S.) (<http://catalog.montclair.edu/programs/nutrition-food-science-bs/>)

Nutrition and Food Science (M.S.) (<http://catalog.montclair.edu/programs/nutrition-food-science-ms/>)

## Graduate Swing Courses

A combined degree program allows students to complete 6-12 graduate credits ("graduate swing courses") while enrolled as an undergraduate. These courses count for both their bachelor and master's degrees. Graduate swing courses will count toward undergraduate free electives, unless noted otherwise.

The Graduate Swing Courses for this program:

| Code   | Title                                  | Credits   |
|--|--|-----------|
| NUFD 505   | Research in Nutrition and Food Science | 3         |
| Complete three 500-level electives, with advisor approval. |  | 9         |
| <b>Total Credits</b>                                       |  | <b>12</b> |

## Recommended Roadmap to Degree(s)

This recommended five-year plan is provided as an outline for students to follow in order to complete their degree requirements within five years. This plan is a recommendation and students should only use it in consultation with their academic advisor.

Fifth year courses are taken at the graduate level, after matriculation into the graduate portion of this combined degree program.

## Undergraduate Program Applied Nutrition Concentration

### First Year

| Fall  | Credits | Spring                                  | Credits |
|---|---------|---|---------|
| GENERAL EDUCATION:<br>(A) New Student Seminar |         | 1 GENERAL EDUCATION:<br>(C2) Literature | 3       |

|                                    |   |                  |           |
|------------------------------------|---|------------------|-----------|
| GENERAL EDUCATION:<br>(C1) Writing | 3 | World Language I | 3         |
| FSHD 120                           | 3 | CHEM 113         | 4         |
| NUFD 130                           | 1 | NUFD 192         | 4         |
| NUFD 150                           | 3 | STAT 109         | 3         |
| NUFD 153                           | 3 |                  |           |
|                                    |   | <b>14</b>        | <b>17</b> |

### Second Year

| Fall                                     | Credits | Spring    | Credits   |
|--|---------|-----------|-----------|
| GENERAL EDUCATION:<br>(C3) Communication | 3       | NUFD 300  | 3         |
| BIOL 240                                 | 3       | NUFD 381  | 3         |
| NUFD 240                                 | 1       | NUFD 388  | 3         |
| NUFD 258                                 | 3       | NUFD 403  | 3         |
| NUFD 285                                 | 3       | NUFD 411  | 3         |
| NUFD 299                                 | 3       |           |           |
|  |         | <b>16</b> | <b>15</b> |

### Third Year

| Fall   | Credits | Spring   | Credits   |
|--|---------|--|-----------|
| GENERAL EDUCATION:<br>(F1) Humanities – Great Works and Their Influences | 3       | GENERAL EDUCATION:<br>(D) Fine and Performing Arts                               | 3         |
| GENERAL EDUCATION:<br>(G) Computer Science                               | 3       | GENERAL EDUCATION:<br>(F2) Humanities – Philosophical and Religious Perspectives | 3         |
| GENERAL EDUCATION:<br>(J) Physical Education                             | 1       | GENERAL EDUCATION:<br>(K1) Social Science – American and European History        | 3         |
| World Languages II   | 3       | GENERAL EDUCATION:<br>(K2) Social Science – Global Cultural Perspectives         | 3         |
| NUFD 410   | 3       | Minor course   | 3         |
|  |         | <b>13</b>  | <b>15</b> |

### Fourth Year

| Fall                            | Credits | Spring       | Credits   |
|---------------------------------|---------|--------------|-----------|
| NUFD 580                        | 3       | NUFD 482     | 3         |
| 500-Level Elective swing course | 3       | NUFD 505     | 3         |
| Minor course                    | 3       | NUFD 587     | 3         |
| Minor course                    | 3       | Minor Course | 3         |
| Minor course                    | 3       | Minor Course | 3         |
|                                 |         | <b>15</b>    | <b>15</b> |

**Total Credits 120**

## Dietetics Concentration

### First Year

| Fall  | Credits | Spring                                | Credits |
|---|---------|---------------------------------------|---------|
| GENERAL EDUCATION:<br>(A) New Student Seminar | 1       | GENERAL EDUCATION:<br>(C2) Literature | 3       |

|                                    |           |                  |           |
|------------------------------------|-----------|------------------|-----------|
| GENERAL EDUCATION:<br>(C1) Writing | 3         | World Language I | 3         |
| NUFD 130                           | 1         | CHEM 113         | 4         |
| NUFD 150                           | 3         | NUFD 192         | 4         |
| NUFD 153                           | 3         | STAT 109         | 3         |
| PSYC 101                           | 3         |                  |           |
|                                    | <b>14</b> |                  | <b>17</b> |

**Second Year**

| Fall     | Credits   | Spring                                     | Credits   |
|----------|-----------|--|-----------|
| CHEM 130 |           | 4 GENERAL EDUCATION:<br>(C3) Communication | 3         |
| NUFD 240 |           | 1 BIOL 243                                 | 4         |
| NUFD 255 |           | 3 CHEM 270                                 | 5         |
| NUFD 258 |           | 3 ECON 101                                 | 3         |
| NUFD 376 |           | 3  |           |
|          | <b>14</b> |  | <b>15</b> |

**Third Year**

| Fall   | Credits   | Spring  | Credits   |
|--|-----------|---|-----------|
| GENERAL EDUCATION:<br>(F2) Humanities –<br>Philosophical and<br>Religious Perspectives | 3         | GENERAL EDUCATION:<br>(F1) Humanities –<br>Great Works and Their<br>Influences  | 3         |
| World Cultures   | 3         | GENERAL EDUCATION:<br>(G) Computer Science                                      | 3         |
| NUFD 381   | 3         | GENERAL EDUCATION:<br>(K1) Social Science –<br>American and European<br>History | 3         |
| NUFD 382   | 4         | GENERAL EDUCATION:<br>(K2) Social Science<br>– Global Cultural<br>Perspectives  | 3         |
| NUFD 383   | 3         | BIOL 254  | 3         |
|  | <b>16</b> |   | <b>15</b> |

**Fourth Year**

| Fall  | Credits   | Spring                    | Credits      |
|---|-----------|---------------------------|--------------|
| GENERAL EDUCATION:<br>(D) Fine and Performing<br>Arts | 3         | NUFD 488                  | 4            |
| GENERAL EDUCATION:<br>(J) Physical Education          | 1         | NUFD 399                  | 3            |
| NUFD 482  | 3         | NUFD 505                  | 3            |
| NUFD 398  | 3         | NUFD 587                  | 3            |
| NUFD 580  | 3         | Free Elective (if needed) | 0-2          |
| 500-Level Elective swing<br>course                    | 3         |                           |              |
|   | <b>16</b> |                           | <b>13-15</b> |

Total Credits 120-122

**Food Science Concentration**

**First Year**

| Fall   | Credits | Spring                                | Credits |
|--|---------|---------------------------------------|---------|
| GENERAL EDUCATION:<br>(A) New Student<br>Seminar | 1       | GENERAL EDUCATION:<br>(C2) Literature | 3       |

|   |           |                  |           |
|---|-----------|------------------|-----------|
| GENERAL EDUCATION:<br>(C1) Writing                    | 3         | World Language I | 3         |
| GENERAL EDUCATION:<br>(D) Fine and Performing<br>Arts | 3         | CHEM 113         | 4         |
| NUFD 130  | 1         | NUFD 192         | 4         |
| NUFD 150  | 3         | STAT 109         | 3         |
| NUFD 153  | 3         |                  |           |
|   | <b>14</b> |                  | <b>17</b> |

**Second Year**

| Fall   | Credits   | Spring   | Credits   |
|--|-----------|----------|-----------|
| GENERAL EDUCATION:<br>(C3) Communication     | 3         | BIOL 100 | 4         |
| GENERAL EDUCATION:<br>(J) Physical Education | 1         | BIOL 254 | 3         |
| CHEM 130                                     | 4         | CHEM 270 | 5         |
| NUFD 240                                     | 1         | NUFD 387 | 3         |
| NUFD 376                                     | 3         |          |           |
| NUFD 258                                     | 3         |          |           |
|  | <b>15</b> |          | <b>15</b> |

**Third Year**

| Fall   | Credits   | Spring  | Credits   |
|--|-----------|---|-----------|
| GENERAL EDUCATION:<br>(F1) Humanities –<br>Great Works and Their<br>Influences | 3         | GENERAL EDUCATION:<br>(G) Computer Science                                      | 3         |
| GENERAL EDUCATION:<br>(F2) Philosophical and<br>Religious Perspectives         | 3         | GENERAL EDUCATION:<br>(K1) Social Science –<br>American and European<br>History | 3         |
| World Languages II   | 3         | GENERAL EDUCATION:<br>(K2) Social Science<br>– Global Cultural<br>Perspectives  | 3         |
| NUFD 358   | 3         | NUFD 436  | 3         |
| NUFD 381   | 3         | NUFD 446  | 3         |
|  | <b>15</b> |   | <b>15</b> |

**Fourth Year**

| Fall  | Credits   | Spring         | Credits   |
|---|-----------|----------------|-----------|
| NUFD 299  | 3         | NUFD 456       | 3         |
| NUFD 473  | 3         | NUFD 505       | 3         |
| NUFD 476  | 3         | NUFD 587       | 3         |
| NUFD 580  | 3         | Free Electives | 5         |
| Complete one 500-level<br>elective, with advisor<br>approval. | 3         |                |           |
|   | <b>15</b> |                | <b>14</b> |

Total Credits 120

**Food Systems Concentration**

**First Year**

| Fall   | Credits | Spring                                | Credits |
|--|---------|---------------------------------------|---------|
| GENERAL EDUCATION:<br>(A) New Student<br>Seminar | 1       | GENERAL EDUCATION:<br>(C2) Literature | 3       |

|   |                    |           |
|---|--------------------|-----------|
| GENERAL EDUCATION:<br>(C1) Writing  | 3 World Language I | 3         |
| GENERAL EDUCATION:<br>(K1) Social Science –<br>American and European<br>History | 3 CHEM 113         | 4         |
| NUFD 130  | 1 STAT 109         | 3         |
| NUFD 150  | 3 NUFD 192         | 4         |
| NUFD 153  | 3                  |           |
|   | <b>14</b>          | <b>17</b> |

|          |            |             |
|----------|------------|-------------|
| NUFD 506 | 3 Elective | 3           |
| NUFD 595 | 3 Elective | 3           |
| Elective | 3          |             |
|          | <b>12</b>  | <b>9-10</b> |

**Total Credits 21-22**

**Second Year**

| Fall              | Credits   | Spring   | Credits   |
|-------------------|-----------|--|-----------|
| NUFD 240          |           | 1 GENERAL EDUCATION:<br>(C3) Communication   | 3         |
| NUFD 376          |           | 3 GENERAL EDUCATION:<br>(F2) Humanities –<br>Philosophical and<br>Religious Perspectives | 3         |
| NUFD 299          |           | 3 NUFD 258   | 3         |
| Required Elective |           | 3 NUFD 310   | 3         |
| Free Elective     |           | 3 NUFD 381   | 3         |
| Free Elective     |           | 3  |           |
|                   | <b>16</b> |  | <b>15</b> |

**Third Year**

| Fall   | Credits   | Spring   | Credits   |
|--|-----------|--|-----------|
| GENERAL EDUCATION:<br>(G) Computer Science   |           | 3 GENERAL EDUCATION:<br>(D) Fine and Performing<br>Arts                          | 3         |
| GENERAL EDUCATION:<br>(J) Physical Education |           | 1 GENERAL EDUCATION:<br>(F1) Humanities –<br>Great Works and Their<br>Influences | 3         |
| World Languages II                           |           | 3 GENERAL EDUCATION:<br>(K2) Social Science<br>– Global Cultural<br>Perspectives | 3         |
| NUFD 492                                     |           | 3 Required Elective  | 4         |
| Free Elective                                |           | 3 Free Elective  | 3         |
|  | <b>13</b> |  | <b>16</b> |

**Fourth Year**

| Fall                               | Credits   | Spring              | Credits   |
|------------------------------------|-----------|---------------------|-----------|
| NUFD 580                           |           | 3 NUFD 353          | 3         |
| 500-Level Elective swing<br>course |           | 3 NUFD 505          | 3         |
| Free Elective                      |           | 3 NUFD 587          | 3         |
| Free Elective                      |           | 4 Required Elective | 3         |
|                                    |           | Free Elective       | 4         |
|                                    | <b>13</b> |                     | <b>16</b> |

**Total Credits 120**

## Graduate Program

**Fifth Year**

| Fall     | Credits | Spring  | Credits |
|----------|---------|---|---------|
| NUFD 501 |         | 3 NUFD 509 or 698 (and<br>Comprehensive Exam) | 3-4     |