

MASTER OF SCIENCE IN FOOD SCIENCE AND NUTRITION, NUTRITION SPECIALIZATION

Plan B Effective Fall 2021

| Code | Title | Credits |
|---|---|--------------|
| Required Courses | | |
| FSHN 550 | Advanced Nutritional Science I | 3 |
| FSHN 551 | Advanced Nutritional Science II | 3 |
| FSHN 640 | Selected Topics in Nutritional Epidemiology | 2 |
| Select one course from the following: | | |
| FSHN 650A | Recent Developments in Human Nutrition: Protein, Vitamins, and Minerals | |
| FSHN 650B | Recent Developments in Human Nutrition: Carbohydrates, Lipids, and Energy | |
| FSHN 650C | Recent Developments in Human Nutrition: Genomic, Proteomics, and Metabolomics | |
| FSHN 692 | Seminar | 1 |
| Research Project – Select one course from the following: | | 4 |
| FSHN 698A | Research: Dietetics | |
| FSHN 698B | Research: Nutrition | |
| FSHN 698C | Research: Food Service Management | |
| Required Statistics/Research Methods Courses – Select one course from the following: | | 3-4 |
| EDRM 600 | Introduction to Research Methods | |
| EDRM 606 | Principles: Quantitative Data Analysis | |
| EDRM 704 | Qualitative Research | |
| EDRM 705 | Qualitative Data Analysis | |
| PSY 652 | Methods of Research in Psychology I | |
| PSY 653 | Methods of Research in Psychology II | |
| STAR 511 | Design and Data Analysis for Researchers I | |
| STAR 512 | Design and Data Analysis for Researchers II | |
| Electives | | 16-17 |
| Select a minimum of 16 credits not taken elsewhere in the program in consultation with the graduate committee (see Example Elective Courses list below) | | |
| Program Total Credits: | | 35 |

Example Elective Courses

| Code | Title | Credits |
|------------------|---------------------------------------|---------|
| BC 401 | Comprehensive Biochemistry I | 3 |
| BC 403 | Comprehensive Biochemistry II | 3 |
| BC 465 | Molecular Regulation of Cell Function | 3 |
| BC 517 | Metabolism | 2 |
| BC 565 | Molecular Regulation of Cell Function | 4 |
| BC 663 | Gene Expression | 2 |
| BIOM 526/ECE 526 | Biological Physics | 3 |
| BMS 430 | Endocrinology | 3 |

| | | |
|-------------------|---|---|
| BMS 500 | Mammalian Physiology I | 4 |
| BMS 501 | Mammalian Physiology II | 4 |
| BMS 505/NB 505 | Neuronal Circuits, Systems and Behavior | 3 |
| BMS 610A | Managing a Career in Science: Survival Skills for Coursework (M.S.) | 1 |
| BMS 631 | Mechanisms of Hormone Action | 2 |
| BMS 632 | Metabolic Endocrinology | 2 |
| BZ 455 | Human Heredity and Birth Defects | 3 |
| EDRM 600 | Introduction to Research Methods | 3 |
| EDRM 606 | Principles: Quantitative Data Analysis | 3 |
| EDRM 704 | Qualitative Research | 3 |
| EDRM 705 | Qualitative Data Analysis | 3 |
| ERHS 542 | Biostatistical Methods for Qualitative Data | 3 |
| ERHS 544/STAT 544 | Biostatistical Methods for Quantitative Data | 3 |
| ERHS 567 | Cell and Molecular Toxicology Techniques | 3 |
| ERHS 611 | Cancer Genetics | 2 |
| FSHN 445/HDFS 445 | Early Childhood Health, Safety, and Nutrition | 3 |
| FSHN 496A | Group Study in Dietetics and Nutrition: Energy, Weight Management | 1 |
| FSHN 496B | Group Study in Dietetics and Nutrition: Sustainable Food Issues | 1 |
| FSHN 496C | Group Study in Dietetics and Nutrition: Nutrition and Chronic Disease | 1 |
| FSHN 496D | Group Study in Dietetics and Nutrition: Nutrition for Athletes | 1 |
| FSHN 496E | Group Study in Dietetics and Nutrition: Food Safety | 1 |
| FSHN 496F | Group Study in Dietetics and Nutrition: Service Marketing | 1 |
| FSHN 496G | Group Study in Dietetics and Nutrition: Food and Consumer Issues | 1 |
| FSHN 496H | Group Study in Dietetics and Nutrition: Public Health and Policy | 1 |
| FSHN 496I | Group Study in Dietetics and Nutrition: Special Topics | 1 |
| FSHN 500 | Food Systems, Nutrition, and Food Security | 2 |
| FSHN 520 | Advanced Medical Nutrition Therapy | 3 |
| FSHN 525 | Nutrition Education Theories and Practice | 2 |
| FSHN 540 | Nutrigenomics and Advanced Lipid Metabolism | 3 |
| FSHN 561 | International Nutrition Studies | 2 |
| FSHN 600 | Responsible Conduct of Research | 1 |
| FSHN 620 | Community Nutrition Planning and Evaluation | 3 |
| FSHN 628 | Advanced Nutrition Counseling Techniques | 2 |
| FSHN 630/HES 630 | Integrative Exercise and Nutrition Metabolism | 3 |
| FSHN 650A | Recent Developments in Human Nutrition: Protein, Vitamins, and Minerals | 2 |
| FSHN 650B | Recent Developments in Human Nutrition: Carbohydrates, Lipids, and Energy | 2 |
| FSHN 650C | Recent Developments in Human Nutrition: Genomic, Proteomics, and Metabolomics | 2 |

| | | |
|-------------------|--|-----|
| FSHN 660 | Women's Issues in Lifecycle Nutrition | 2 |
| FSHN 686A | Practicum: Counseling | 1-3 |
| FSHN 686B | Practicum: Nutrition | 1-3 |
| FSHN 695B | Independent Study: Nutrition | 1-3 |
| FSHN 700 | Cellular Nutrition | 2 |
| FSHN 750 | Nutritional Basis of Chronic Disease | 2 |
| FSHN 792 | Seminar-Research Topics in Nutrition | 1 |
| FSHN 795 | Independent Study | 1-4 |
| FTEC 570 | Food Product Development | 2 |
| FTEC 578/HORT 578 | Phytochemicals and Probiotics for Health | 3 |
| GRAD 792 | Seminar on College Teaching | 2 |
| HDFS 608 | Program Planning and Implementation | 3 |
| HES 603 | Advanced Topics in Exercise Physiology | 3 |
| HES 610 | Exercise Bioenergetics | 3 |
| HORT 579 | Mass Spectrometry Omics-Methods and Analysis | 3 |
| JTC 614 | Public Communication Campaigns | 3 |
| JTC 630 | Health Communication | 3 |
| JTC 661 | Information Design | 3 |
| JTC 662 | Communicating Science and Technology | 3 |
| MIP 540 | Biosafety in Research Laboratories | 2 |
| MIP 555 | Principles and Mechanisms of Disease | 3 |
| MIP 612 | Applied Immunology | 3 |
| MIP 614 | Medical Microbiology | 3 |
| STAR 511 | Design and Data Analysis for Researchers I | 4 |
| STAR 512 | Design and Data Analysis for Researchers II | 4 |
| VS 562 | Applied Data Analysis | 3 |

A minimum of 35 credits are required to complete this program.