# NUTRITION SCIENCES (NUTR)

**NUTR 4351 Life Cycle Nutrition (3)**
Pre-requisite(s): A minimum grade of C in NUTR 2351 or consent of instructor
Nutritional needs of individuals as they progress through the life cycle from birth through aging, with considerations of concomitant problems.

**NUTR 5350 Dietetic Internship (3)**
Pre-requisite(s): Departmental approval required
Supervised off-campus experiences in medical nutrition therapy, food systems management, and public health nutrition settings.

**NUTR 5351 Nutrition and Aging (3)**
Cross-listed as GRT 5351
Pre-requisite(s): NUTR 2351 or consent of instructor
Nutritional needs of individuals as they age. Disease prevention, nutrition assessment, and the central role of nutrition in maintaining health and well-being.

**NUTR 5352 Pediatric Nutrition (3)**
Pre-requisite(s): Graduate standing
An in-depth investigation of all aspects of pediatric nutrition. The course will cover nutrition concerns from conception through adolescence.

**NUTR 5354 Nutrition in Public Health (3)**
Pre-requisite(s): 12 hours undergraduate in nutrition and related subjects, or consent of instructor
A comprehensive study of Public Health and the role Nutrition plays in maintaining the health and well-being of communities.

**NUTR 5355 Macronutrients and Metabolism (3)**
Pre-requisite(s): NUTR 2351; CHE 3341 or [CHE 4341 and CHE 4342]; Graduate standing
An in-depth investigation of all the macronutrients (fats, carbohydrates, and protein) and their metabolic activity.

**NUTR 5356 Micronutrients and Phytochemicals (3)**
Pre-requisite(s): NUTR 2351; CHE 3341 or [CHE 4341 and CHE 4342]; Graduate standing
An in-depth investigation of micronutrients and their metabolism with the focus on the action, interaction and sources of vitamins and minerals.

**NUTR 5357 Global Aspects of Food and Nutrition (3)**
Pre-requisite(s): NUTR 2351 (or equivalent course); Graduate standing, NUTR majors only, ServSafe Food Handlers certification
Nutritional issues in developing countries, including an analysis of factors contributing to food supply, nutritional status including malnutrition, effect of under-nutrition, and methods of assessing nutritional status and interventions.

**NUTR 5358 Emerging Issues in Food and Nutrition (3)**
Pre-requisite(s): Graduate standing
Readings, discussion, and analysis of one or more emerging trends and developments in nutrition and food sciences.

**NUTR 5359 Advanced Medical Nutrition Therapy (3)**
Pre-requisite(s): Graduate standing
Nutrition in disease, including the biochemistry and pathophysiology of nutrition care, effects of disease, metabolism, advanced medical nutrition therapy, assessment, and therapeutic intervention.

**NUTR 5360 Resource Management in Nutrition and Food Systems (3)**
Pre-requisite(s): Graduate standing and successful completion of NUTR 3435 or equivalent
Principles of management applied to foodservice systems including institutions and restaurants and nutritional care delivery.

**NUTR 5370 Research Methods in Nutrition Sciences (3)**
Pre-requisite(s): Graduate standing
An in-depth investigation of research procedures in Nutrition Sciences.

**NUTR 5380 Clinical Sports Nutrition (3)**
Pre-requisite(s): NUTR 2351 or 4386, or consent of instructor
In-depth study of clinical sports nutrition.

**NUTR 5386 Nutrition for Sport and Fitness (3)**
Pre-requisite(s): NUTR 2351 or consent of instructor
Advanced study of nutritional concepts for individuals and team sport participants across the life span with a focus on selection of optimal dietary/nutritional approaches and timing as related to performance needs, maximizing performance, body composition, energy balance, and unique nutrient needs for specific sport participants. Non-scientifically-based information related to food and nutrition in sports will be addressed.

**NUTR 5387 Advanced Human Nutrition (3)**
Pre-requisite(s): NUTR 2351; successful completion of BIO 1305, CHE 1301, 1341, 3341 or consent of instructor
Advanced scientific study of nutrients and other human health-promoting substances.

**NUTR 5V90 Special Project in Nutr Sciences (1-3)**
The Special Project in Nutrition Sciences, NUTR 5V90, is a culminating academic endeavor for BU graduate students majoring in Nutrition Sciences. The special project provides students with an opportunity to apply knowledge and skills acquired in their courses to a nutrition science problem or issue. This six-credit course emphasizes critical thinking, writing skills, evaluation of the scientific literature, and opportunities for students to grapple with real world nutrition focused issues.

**NUTR 5V93 Special Topics in Nutrition and Food Sciences (1-6)**
Pre-requisite(s): Graduate standing and consent of instructor
Special topics in Nutrition and Food Sciences. May be repeated with different topics for up to six hours.