

# HUMAN SCIENCES AND DESIGN

## Department of Human Sciences and Design

**Chairperson:** Sheri L. Dragoo

**Graduate Program Director:** Maria L. Boccia

- Nutrition Sciences, M.S. (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/robbins-college-health-human-sciences/human-sciences-design/nutrition-sciences-ms/>)

## 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): 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): 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): Graduate standing

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-scientific-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 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.