

# NUTR 175: Advanced Nutrition

Presents cellular structures and their responses to signal transduction, relevance to human metabolism, relationships to diseases and their pathogenesis. Also, an in-depth study of key principles of cellular metabolism of macronutrients, major metabolic pathways and some related pathologies are explored, the biochemical utilization of excess macronutrients and nutrient deficiencies will be studied. Preventative measures and disease management approaches are considered.

**Credits:** 3

**Prerequisites/Permissions:**

NUTR 130, ANAT 171, 172, General Chemistry Lec and Lab, Organic Chemistry Lec and Lab

**Program:**

## Nutritional Sciences