Level 6 course	**Food Science (211CLN)**
Course description	This course is designed to provide students with a solid foundation in basic food science concepts. It focuses on the chemistry and significance of food macro and micronutrients as essential nutrient sources. At the end of the course the students will be able to: • Explain fundamental food science concepts. • Understand the types of food additives and their potential negative effects. • Investigate various food preservation methods to extend shelf life. • List labeling requirements and relevant information related to food products. • Describe the chemistry of macronutrients and micronutrients. • Explore the physicochemical properties of different foods.

Level 6 course	**Nutrition Needs and Meal Planning (232CLN)**
Course description	This course focuses on essential nutrition needs and meal planning. It emphasizes the art of designing meal plans, making informed diet choices, and understanding the key factors in nutritional menu planning. Additionally, students will learn how to use food exchange lists for dietary calculations.

Level 6 course	**Advanced Human Physiology (284CLN)**
Course description	This course is a requirement for second-year Clinical Nutrition undergraduates. It provides advanced knowledge of the physiology of gastrointestinal hormones, various endocrine glands and their hormone targets, mechanisms of action, functions, and related disorders. It also covers disease states resulting from hormone overproduction or underproduction, as well as the physiology of the male and female reproductive systems. The course explores the connection between immunity, blood components, and nutrition. Laboratory sessions complement the material, highlighting the clinical significance of diseases on the respiratory, cardiovascular, blood, and overall health. Students will develop the skills to analyze complex interrelationships between organ systems in both disease and wellness scenarios across the lifespan. Additionally, they will apply physiology concepts to understand health and disease and solve physiological problems effectively.