The University of Kansas Medical Center
Dietetics & Integrative Medicine Graduate Certificate Program
Department of Dietetics & Nutrition

**Introduction**

The Dietetics and Integrative Medicine graduate certificate program offers an opportunity for graduate students with bachelor's or master's degrees in dietetics, nutrition, biological sciences or health professions to acquire knowledge to function as a skilled advisor to the patient and a collaborative member of multidisciplinary health care teams; professionals working effectively with integrative and conventional medical practitioners.

The Institute of Functional Medicine defines dietetics within integrative medicine as personalized medical nutrition therapy for prevention and treatment of chronic disease that embraces conventional and complementary therapies. Dietetics within integrative medicine reaffirms the importance of the therapeutic relationship, a focus on the whole person, lifestyle, biochemical individuality and environmental influences.

**Admission Requirements**

Qualified applicants meet one of the following criteria:

1. Completed an accredited dietetic internship program and are enrolled in a graduate program in Dietetics and Nutrition.
2. Enrolled in a graduate health profession major.
3. Registered Dietitian or other health professional seeking post bachelor's or master's degree education.

All applicants must:

1. Complete prerequisite courses in Medical Nutrition Therapy and Genetics or obtain consent prior to enrollment to determine if possible to enroll in a course before prerequisite courses are completed.
2. Have a cumulative undergraduate or graduate GPA of 3.0 or greater.
3. Submit application to the program as directed on the department web site including official college transcripts, 3 recommendation letters, resume, and official score report from the Graduate Record Examination. GRE scores are valid for 5 years.

Application deadlines: Feb. 1 for summer semester admission or May 15 for fall semester admission.

**Certificate Curriculum**

A web-based 12 hour program over 4 consecutive semesters:

DN 880 Dietary & herbal supplements (3 hrs.) - summer;
DN 881 Introduction to dietetics & integrative medicine (3 hrs.) - fall;
DN 882 A nutrition approach to inflammation & immune regulation (3 hrs.) - spring; and
DN 980 Nutrigenomics and nutrigenetics in health and disease (3 hrs.) - summer

**Program Director**

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**Department Information**

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**DN 880 Dietary & herbal supplements**

Develop skills to partner with patients in making dietary supplement decisions.
Explore the safe, efficacious use of botanicals and supplements in nutritional support of aging, maternal health and wellness.
Discussions on supplementation in the prevention and treatment of chronic disease include: arthritis, cancer, cardiovascular, diabetes, digestive, mood and renal disorders.

**DN 881 Intro. to dietetics & integrative medicine**

Introduction to principles of guiding dietetics and integrative medicine; assessing, diagnosis, intervention, monitoring, and evaluating an individual client to restore function; focusing on the unique nutritional imbalances characteristic of chronic disease pathophysiology; supporting individuals with persistent symptoms; preventing chronic disease.

**DN 882 A nutrition approach to inflammation & immune regulation**

Inflammation and immune dysregulation are common in chronic disease. The course presents a dietetics and integrative medicine approach to identify underlying causes of inflammatory and immune-related conditions and associated nutritional influences; applies personalized nutritional interventions as powerful modulators of the pathophysiology of inflammatory and immune responses.

**DN 980 Nutrigenomics & nutrigenetics in health & disease**

A review of nuclear receptors and their mechanisms of action with specific examples of regulation by nutrients, amino acid control of gene expression, lipid sensors, selenoprotein expression, and functional genomic studies (e.g., atherosclerosis, cancer, obesity, metabolic syndrome, Type 2 diabetes mellitus, and inflammation) with relationships to nutrient intake and polymorphisms.