

643. Curriculum Theory Seminar. (3)
(Also offered as MSET 643.) Doctoral level seminar examining curriculum theory.

645. Seminar in Educational Studies. (3)
Required core course of first-year LLSS doctoral students. Introduces key concepts and debates in critical educational studies. The social context of schooling is examined through historical, sociological, anthropological, psychological, and interdisciplinary modes of inquiry.
Restriction: LLSS doctoral students only.

650. Dissertation Seminar. (1-3)
Designed to assist doctoral students in planning their dissertation proposal. Students conceptualize and write a proposal using qualitative methods. Participants bring drafts of various components of their proposal to class where their work is critiqued. **Offered on a CR/NC basis only.**

681. Seminar in Multicultural Teacher Education. (3)
Study issues related to multicultural education and student's learning and development. Focus will be on societal multiculturalism, facilitation of multicultural growth and development in students and politics of the concept of multicultural education in general.
Prerequisite: admission to Doctoral Study.

696. Internship. (3-6 to a maximum of 12) Δ
Offered on a CR/NC basis only.

698. Directed Readings. (3-6 to a maximum of 12) Δ

699. Dissertation. (3-12, no limit) Δ
Offered on a CR/NC basis only.

NUTRITION AND DIETETICS

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Nutrition and Dietetics Program
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Associate Professors

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Undergraduate Program

Undergraduate Advisor Contact and Student Information Contact

COE Advisement Center, (505) 277-3190

For student program information and application for admissions Contact:

COE Advisement Center, (505) 277-3190

Major and Degree

Bachelor of Science in Nutrition and Dietetics

The curriculum leading to a Bachelor of Science in Nutrition and Dietetics includes a foundation of natural and social sciences, as well as theoretical and applied course work in Nutrition and Dietetics. This curriculum is accredited by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association (ADA), 120

South Riverside Place, Suite 200, Chicago, IL 60606-6995, (312) 899-0040 ext. 5400. The curriculum meets academic requirements of the Didactic Program in Dietetics (DPD) for qualification as a registered dietitian (RD). After graduation, students who wish to become registered dietitians will need to complete a supervised practice program, such as a Dietetic Internship program. This leads to eligibility to take the National Registration Exam. Admission to a Dietetic Internship is very competitive and not guaranteed.

To be admitted to the Nutrition and Dietetics Program, students must have a minimum grade point average of 3.0. For other admission requirements see program Web site. Contact the Nutrition program for the most current information.

Nutrition and Dietetics

First Year

CJ 130	Public Speaking	3
BIOL 123	Biology for Health Related Sciences	3
BIOL124L	Non-Majors/Lab	1
CHEM 121	General Chemistry I	3
CHEM 123L	General Chemistry I Lab	1
MATH 121	College Algebra	3
STAT 145	Introduction to Statistics	3
PSY 105	General Psychology	3
ENGL 101	Composition I: Exposition	3
ENGL 102	Composition II: Analysis and Argument	3
	Social and Behavioral Science Course*	3
	Fine Arts Course*	3
		<hr/> 32

Second Year

NUTR 244	Human Nutrition	3
BIOL 237	Human Anatomy and Physiology I for the Health Sciences	3
BIOL 247L	Human Anatomy & Physiology Laboratory I	1
BIOL 238	Human Anatomy and Physiology II for the Health Sciences	3
BIOL 248L	Human Anatomy & Physiology Laboratory II	1
CHEM 122	General Chemistry II	3
CHEM 124L	Gener Chemistry II Lab	1
CHEM 301	Organic Chemistry	3
ENGL 219	Technical and Professional Writing	3
	Elective	3
	Humanities Course*	3
	Second Language Course*	3
		<hr/> 32

Third Year

CHEM 302	Organic Chemistry	3
NUTR 320	Methods in Nutrition Education	3
NUTR 321	Management in Dietetics I	3
NUTR 322	Management in Dietetics II	3
NUTR 344	Energy Nutrients in Human Nutrition	3
NUTR 345	Vitamins and Minerals in Human Nutrition	3
NUTR 330L	Principles of Food Science	4
CJ 314	Intercultural Communication	3
BIOL 239L	Microbiology for Health Sciences	4
	Elective	3
	Restricted Communication Elective+	3
		<hr/> 32

Fourth Year

NUTR 406	Community Nutrition	3
NUTR 424	Nutrition in the Life Cycle	3
NUTR 427	Medical Nutrition Therapy I	3
NUTR 428	Medical Nutrition Therapy II	3
NUTR 445	Applied Nutrition and Exercise	3
PEP 326L	Fund of Exercise Physiology	3
BIOC 446L	Intensive Introductory Biochem II	4
	Humanities Course*	3
	Electives	6
	Restricted Multicultural Elective+	3
		<hr/> 31

A grade of C (not C-) or better is required in all coursework that counts toward the 128 hour degree.

* Course chosen from Core Curriculum list
+ Restricted Elective List

Multicultural Emphasis—Choose one:
 HED 471 Introduction to Community Health
 HED 482 Health Promotion in Multicultural Settings
 or other course related to culture and approved by
 Nutrition Faculty

Communication Emphasis—Choose one:
 CJ 221 Interpersonal Communication
 CJ 225 Small Group Communication
 CJ 323 Nonverbal Communication
 CJ 327 Persuasive Communication
 CJ 344 Interviewing

Minor Study in Nutrition

A minor in Nutrition consists of NUTR 244, 344, 345 and 424 plus a minimum of 9 hours selected from the following: NUTR 320, 330L, 406, 427, 428, 445. Grades of C or better are required in all Nutrition courses used to meet the nutrition minor requirement. The sequence of courses for the minor has a minimum prerequisite of organic chemistry (CHEM 212 or 301).

Departmental Honors

The Departmental Honors program is open to outstanding Nutrition majors who have an overall GPA of at least 3.20. Students must seek advisement from a faculty member willing to serve as mentor for the honors courses and research. An Honors thesis is written during the student's final semester. Required courses are NUTR 497, 498, and 499. These courses are in addition to those required for the major.

Graduate Programs

Graduate Advisor and Student Information Contact
 Program Office at Simpson Hall (505) 277-4535

Application Deadlines

Screening of applications will begin:
 Fall semester: February 1
 Spring semester: October 1
 Summer session: February 1

Applications received by these dates will be given highest consideration for admission and financial assistance. Applications received after dates above will be reviewed through the following dates for each semester/session but will be considered on a space available basis only.

Fall semester: June 1
 Spring semester: November 1
 Summer session: April 1

Dietetic Internship

The Dietetic Internship (DI) is a post-bachelor's program that provides the supervised practice necessary for eligibility to write the Registration Examination for Dietitians. The Dietetic Internship is accredited by the Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association (ADA), 120 South Riverside Place, Suite 200, Chicago, IL 60606-4876, (312) 899-0040, ext. 5400. Applications for the DI are due early in February for August admission.

The Internship includes supervised practice in the areas of clinical dietetics, community nutrition and food service management, as well as didactic (classroom) instruction. Interns are enrolled as graduate students at the University of New Mexico; however, completion of the M.S. degree is not required for DI completion. Information on applying to the DI and on additional requirements for completion of the M.S. degree are on the program Web site.

Degrees Offered

M.S. in Nutrition

The Master of Science in Nutrition is designed to prepare students for careers in the field of Nutrition and Dietetics including opportunities in administrative and clinical dietetics and community nutrition programs. It is desirable that the candidate has an undergraduate major in nutrition/dietetics. Individuals without an undergraduate degree in nutrition should consult a nutrition faculty member. Students without prior preparation in nutrition may be accepted into the program following completion of prerequisites. A list of prerequisites is available on the program Web site. The degree is available under both Plan I and Plan II in accordance with the regulations in this catalog. Course work for this degree can be chosen from a number of areas reflecting the interests and goals of the student and can include health education and exercise science.

Course requirements for the Master's degree in Nutrition are:

Nutrition (15 hours required)

Required for Plan I and Plan II:

NUTR 526	Nutrition Assessment	3
NUTR 528	Advanced Medical Nutrition Therapy	3

Nutrition electives selected from:

NUTR *424	Nutrition in the Life Cycle	3
NUTR 530	Phytochemicals in Health and Human Performance	3
NUTR 535	Seminar in Nutrition	3
NUTR 591	Problems	(1-6 credits)
NUTR 595	Advanced Field Experience	(3-6 credits)
NUTR 593	Topics	

Research Methods (15 hours required for Plan I, 6 hours for Plan II)

Required for Plan I and Plan II:

EDPY 505	Conducting Quantitative Educational Research	
—or—		
HED 507	Research Design in HPER	3
EDPY 511	Introductory Educational Statistics	3

Required for Plan I:

EDPY 603	Applied Statistical Design and Analysis	3
NUTR 599	Master's Thesis	6

Elective Courses (6 hours in Plan I; 15 hours in Plan II)

Selected after consultation with Nutrition program faculty.

Plan I and Plan II: 36 credits

Nutrition (NUTR)

120. Nutrition for Health. (3)

General concepts of nutrition applied to food choices that support health. Cultural, psychological and economic implications of food choices.

244. Human Nutrition. (3)

This course provides an overview of all the nutrients including function in the body and food sources. Dietary guidelines intended to promote long term health are stressed. Prerequisite: BIOL 123 or 201 or CHEM 111L or 121 and 123L.

320. Methods in Nutrition Education. (3)

Principles of education basic to effective learning by individuals or groups. Selection and effective use of teaching materials and resources to promote the learning process. Pre- or corequisite: 344.

321. [321L.] Management in Dietetics I. [Quantity Food Production.] (3)

Principles of organization and management applied to dietetics practice including food service, clinical, and community nutrition. Prerequisite: 244. Restriction: Nutrition majors only.

322. Management in Dietetics II. [Management in Dietetics.] (3) [4]
Continuation of Management in Dietetics I.
Prerequisite: 321.

330L. Principles of Food Science. (4)
Chemical and physical properties of foods, scientific principles of food preparation, objective and sensory evaluation of food modifications. Students design and conduct an independent research project based on food science principles. Special fee required.
Prerequisite: 321L and (CHEM 212 or 301). Pre- or corequisite: BIOL 239L. Restriction: Nutrition majors only.

344. Energy Nutrients in Human Nutrition. (3)
Carbohydrate, fat and protein in human nutrition. Emphasis includes digestion, absorption, metabolism, food sources and dietary recommendations. Implications for health promotion and disease prevention.
Prerequisite: 244 and (CHEM 212 or 301).

345. Vitamins and Minerals in Human Nutrition. (3)
Water and fat-soluble vitamins, macrominerals and trace minerals in human nutrition. Emphasis includes absorption, metabolism, food sources, dietary recommendations, deficiencies and nutrient interactions. Implications for health promotion and disease prevention are explored.
Prerequisite: 344.

391./591. Problems. (1-3 to a maximum of 6) Δ
{Offered upon demand}

406. Community Nutrition. (3)
Application of community health principles to nutrition programs for individuals and groups. Experiences will include work with community nutrition programs.
Prerequisite: 344. Pre- or corequisite: 345. Restriction: Nutrition majors only.

***424. Nutrition in the Life Cycle.** (3)
Nutritional assessment, physical growth and development, and the physiological basis for nutrient needs in pregnancy, lactation, infancy, childhood, adolescence and old age. Application to food selection patterns and the influence of social and cultural factors.
Prerequisite: 244 and BIOL 237. Restriction: junior standing or higher.

427. Medical Nutrition Therapy I. (3)
The application of diets in the treatment of impaired digestive and metabolic conditions using the case study approach.
Prerequisite: 345. Restriction: Nutrition majors only.

428. Medical Nutrition Therapy II. (3)
Continuation of Medical Nutrition Therapy I.
Prerequisite: 427. Restriction: Nutrition majors only.

445. Applied Nutrition and Exercise. (3)
Interrelationships between nutrition and exercise with application to energy balance, weight control, physical fitness, competitive and recreational sports and prevention of chronic disease.
Prerequisite: 345 and PEP 326L.

495. Field Experience. (1-3 to a maximum of 12) Δ
Planned and supervised professional laboratory or field experiences in an agency or institutional setting.
Restriction: permission of instructor.

497. Reading and Research in Honors I. (2)
Advanced studies and research under the supervision of a faculty mentor.
Restriction: permission of instructor.

498. Reading and Research in Honors II. (2)
Advanced studies and research under the supervision of a faculty mentor.
Prerequisite: 497. Restriction: permission of instructor.

499. Honors Thesis. (2)
Prerequisite: 498. Restriction: permission of instructor.

526. Nutrition Assessment. (3)
Principles and application of nutrition assessment to determine the nutritional status of individuals or groups. Use and interpretation of data obtained from a variety of dietary methodologies, anthropometric measures, biochemical indices and clinical observation.
Prerequisite: 344 and 345.

528. Advanced Medical Nutrition Therapy. (3)
Application of nutritional sciences, energetics, physiology, biochemistry and metabolism to current topics in clinical nutrition. Evaluation of nutritional assessment of critically ill patients and modifications of diets to meet individual needs.
Prerequisite: 428.

530. Phytochemicals in Health and Human Performance. (3)
Explores phytochemicals in fruits, vegetables, grains, herbal supplements, modified foods: phytochemical classes, biochemical structures and pathways, and functions of phytochemicals with respect to chronic diseases and athletic performance. Emphasizes identification of sources of reliable information.

535. Seminar in Nutrition. (3 to a maximum of 6) Δ
Latest research on specific topics and current issues in nutrition and dietetics is synthesized, presented and discussed. Course work requires independent work, and active participation in class discussions.
Restriction: permission of instructor.

550. Applied Dietetics Practice. (3 to a maximum of 6) Δ
Planned and supervised dietetic experiences in agency or institutional setting. Experiences are based on the Performance Requirements of the Standards of Education developed by the American Dietetic Association. **Offered on a CR/NC basis only.**
Restriction: admitted to M.S. in Nutrition degree program.

591./391. Problems. (1-3 to a maximum of 6) Δ

593. Topics. (1-3 to a maximum of 12) Δ

595. Advanced Field Experience. (1-3 to a maximum of 6) Δ
Restriction: admitted to M.S. in Nutrition degree program.

599. Master's Thesis. (1-6, no limit) Δ
Offered on a CR/NC basis only.

ORGANIZATIONAL LEARNING AND INSTRUCTIONAL TECHNOLOGY

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