

NUTRITION AND DIETETICS – B.S. AND M.S.

Students desiring an M.S. degree in nutrition and dietetics who do not have a bachelor's degree may take this three-year course of study at Loma Linda University. The first two years of the curriculum offer the opportunity to complete the undergraduate portion. Students complete the graduate courses during the third year after which they will be eligible to take the registration exam. The bachelor's and master's degrees will be awarded simultaneously.

Program learning outcomes

By the end of this program, the graduate should be able to:

1. Integrate scientific information and translation of research into practice.
2. Demonstrate beliefs, values, attitudes, and behaviors consistent with the professional dietitian nutritionist level of practice.
3. Develop and deliver information, products, and services to individuals, groups, and populations.
4. Apply principles of strategic management and systems in the provision of services to individuals and organizations.
5. Plan, process, and perform nutrition-related research while protecting the public.
6. Demonstrate an ability to translate evidence-based literature into formats that the lay public can understand, including use of videos, writing articles, and counseling.
7. Evaluate emerging trends in nutrition and give competent, evidence-based answers to the public.
8. Use metabolic pathways to determine patient and client nutritional needs.

Admissions

Admission is based on a selective process. In addition to Loma Linda University (<http://llucatalog.llu.edu/about-university/admission-policies-information/#admissionrequirementstext>) and School of Allied Health Professions (<http://llucatalog.llu.edu/allied-health-professions/#generalregulationstext>) admissions requirements, the applicant must also complete the following requirements:

- A 3.0 G.P.A. (on a 4.0 scale) or above (science and non-science)
- An interview
- Program prerequisites
- A 3.0 cumulative G.P.A. at completion of undergraduate courses in order to progress to the graduate level

Listed below are the admission and prerequisite requirements to obtain a bachelor's degree from Loma Linda University. These are listed in general education domain order.

Prerequisites

Domain 1: Religion (8 quarter units)

(completed during enrollment at LLU)

Domain 2: Arts and humanities (minimum 16 quarter units)

Units must be selected from at least three of the following content areas: civilization/history, art, literature, language, philosophy, religion, or

general humanities electives. A minimum of 3 quarter units in an area are required to meet a "content area."

Domain 3: Scientific inquiry and quantitative reasoning (minimum 12 quarter units)

- College algebra, pre-calculus, or calculus
- Human anatomy with laboratory and human physiology with laboratory, complete sequence (two terms)
- General chemistry with laboratory, 3 quarters/2 semesters
- Microbiology with laboratory

Domain 4: Social sciences (minimum 12 quarter units)

- Psychology elective (one course minimum)
- Sociology elective (one course minimum)
- One course (or components integrated into several courses) dealing specifically with issues of human diversity is required.
- Select additional units, as needed, from: anthropology, economics, geography, political science, psychology, and sociology

Domain 5: Written and oral communication (minimum 9 quarter units)

- English composition, complete sequence that meets the baccalaureate degree requirements of a four-year college or university.
- Additional courses may include information systems, critical thinking, and public speaking

Domain 6: Health and wellness

- DTCS 301 Human Nutrition or equivalent
- Physical education. Must include at least two separate physical activity courses totaling a minimum of one quarter units or military discharge papers (DD214).

For total unit requirements for graduation, see LLU General Education Requirements (<http://llucatalog.llu.edu/about-university/division-general-studies/>).

Electives

As necessary, to meet the minimum total requirement of 82 transferable quarter units. These units added to the 110 undergraduate units required in the program fulfill the 192 total units required for the bachelor's degree.

Program requirements

For total unit requirements for graduation for the B.S. degree, see Division of General Studies, LLU General Education Requirements (<http://llucatalog.llu.edu/about-university/division-general-studies/#courserequirementstext>).

| Junior Year | | Units |
|-----------------------|---|-------|
| AHCJ 305 | Infectious Disease and the Health-Care Provider | 1 |
| AHCJ 328 ¹ | Wholeness Portfolio I | 1 |
| DTCS 302 | Food Selection and Presentation | 5 |
| DTCS 304 ² | Community Nutrition | 4 |
| DTCS 305 | Professional Issues in Nutrition and Dietetics | 1 |
| DTCS 321 | Nutrition and Human Metabolism | 4 |
| DTCS 329 | Organic Chemistry with Applications for Nutrition | 4 |
| DTCS 334 | Biochemistry with Applications for Nutrition | 4 |
| DTCS 340 | Nutrition through Life Stages | 3 |
| DTCS 371 | Quantity Food Purchasing, Production, and Service | 5 |

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| DTCS 372 | Food Systems Organization and Management | 4 |
| RELE 457 | Christian Ethics and Health Care | 2 |
| Senior Year | | |
| AHCJ 407 | Financial Management | 2 |
| AHRM 471 | Statistics and Research for Health Professionals I | 3 |
| AHRM 472 | Statistics and Research for Health Professionals II | 3 |
| DTCS 338 | Introduction to Clinical Nutrition | 2 |
| DTCS 342 | Medical Nutrition Therapy I | 5 |
| DTCS 343 | Medical Nutrition Therapy II | 5 |
| DTCS 395 | Nutrition and Dietetics Practicum | 12 |
| DTCS 445 | Nutrition Care Management | 4 |
| DTCS 446 | Nutrition Counseling and Education | 3 |
| DTCS 452 | Advanced Nutrition | 4 |
| DTCS 461 | Food Science | 4 |
| DTCS 476 | Exercise Physiology in Medical Nutrition Therapy | 3 |
| REL_ 4__ | Upper-division religion | 4 |
| RELT 415 | Christian Theology and Popular Culture | 2 |
| RELT 436 | Adventist Heritage and Health | 2 |
| Graduate Year | | |
| AHCJ 548 | Human Resource Management in the Health-Care Environment | 3 |
| AHRM 604 | Research-Proposal Writing | 3 |
| DTCS 506 | Professional Seminar in Nutrition and Dietetics | 1 |
| DTCS 526 | Pharmacology in Medical Nutrition Therapy | 2 |
| DTCS 546 | Introduction to Integrative and Functional Medical Nutrition Therapy | 3 |
| DTCS 554 | Advanced Medical Nutrition Therapy | 3 |
| DTCS 694 | Research | 4 |
| EPDM 509 | Principles of Epidemiology | 3 |
| NUTR 506 | Nutritional Metabolism | 3 |
| NUTR 517 | Advanced Nutrition I: Carbohydrates and Lipids | 4 |
| NUTR 518 | Advanced Nutrition II: Proteins, Vitamins, and Minerals | 4 |
| NUTR 519 | Phytochemicals | 2 |
| Electives: Any graduate-level course approved by advisor | | 7 |
| REL_ 5__ | Graduate-level religion | 3 |
| Total Units: | | 141 |

Affiliation and practicum units are required in addition to the didactic units listed above.

Affiliation

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| DTCS 778 | Clinical Nutrition Affiliation | 12 |
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¹ Register three times to fulfill unit requirement

² Fulfills service learning requirement

Comprehensive Examination

The written comprehensive examination is designed to establish that the student has a broad understanding of nutrition and dietetics, statistics, and basic research methodology. The comprehensive examination will be administered after students have successfully completed the majority of required courses—typically during the Spring Quarter of the student's graduate year.

Normal time to complete the program

2 Three (3) years— two (2) years (seven [7] academic quarters) of undergraduate work for the B.S. plus one (1) year (four [4] academic quarters) of graduate-level courses at LLU — based on full-time enrollment; part time permitted.