Graduate Group in NUTRITIONAL BIOLOGY

UC DAVIS

Master of Science (MS) Nutritional Biology Capstone Track Plan II

The UC Davis Graduate Group in Nutritional Biology (GGNB) **Masters Plan II** program prepares students for a broad range of careers addressing the critical role nutrition plays in health worldwide.

The **Master's Plan II** is a career-focused, practice-oriented program for students interested in pursuing a profession in clinical, community or industry settings.

- **Plan II** is designed for students preferring practical application over in-depth research.
- **Plan II** involves a literature review or project that addresses real-world issues and can be completed on an accelerated track.

Program graduates pursue careers as registered dietitians, public health nutritionists, nutrition program managers, or fulfill roles in corporate wellness or health promotion, food industry roles (e.g., product development, labeling, communications), and nutrition education and outreach.

APPLICATION REQUIREMENTS

Bachelor's Degree

Nutritional biology or a related area of study

Official Transcripts

GPA of 3.0 or higher on a 4.0 scale or equivalent

Three Letters of Recommendation

Suggested Coursework

- General Biochemistry
- General Chemistry
- Organic Chemistry
- Mathematics/Statistics
- Nutrition
- Physiology

Other

- GRE is not required
- TOEFL or IELTS score (if applicable)
- For info about requirements: https://grad.ucdavis.edu

PLAN II DEGREE REQUIREMENTS

- Two years, 36 units or accelerated track
- Final oral examination
- Technical written report (no thesis required)

MENTORSHIP

A Capstone Mentor supervises the student's capstone project. Students are appointed a Graduate Advisor as a resource for information on academic requirements, policies and procedures.

FUNDING SOURCES

Master's students may apply for campus fellowships and are eligible for graduate student employment; but funding is not guaranteed.

APPLICATION DEADLINES

- Priority Admissions: December 15th
- General Admissions: January 15th

1249 Meyer Hall | (530) 754-7684 | ggnb.ucdavis.edu
Program Coordinator: albartolomucci@ucdavis.edu

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UCDAVIS

MS Nutritional Biology Course Curriculum
Capstone Track Plan II

CORE COURSES : Total 15 UNITS

- **Advanced Nutrition I: Nutrition and Metabolism, Macronutrients (NUB 210A, 5 units)**

Advanced general nutritional concepts. Integrating nutrition with biological systems, population nutrition issues, and research approaches. Advanced concepts on lipid and protein metabolism.

- **Advanced Nutrition II: Nutrition and Cell Biology, Micronutrients (NUB 210B, 5 units)**

Effects of nutrients at the cellular level. Principles of cell signaling and signaling modulation by nutrients. Advanced concepts of mineral and vitamin metabolism. Mineral and vitamin deficiencies and associated pathologies.

- **Advanced Nutrition III: Nutrition in Health and Disease (NUB 210C, 5 units)**

Integration of biochemical, physiological, and genetic aspects of nutrition in the context of clinical and epidemiological observations related to health and disease, including obesity and diabetes, cancer, vascular and neurodegenerative diseases, osteoporosis, and congenital anomalies. Review and consideration of governmental policies.

SEMINAR COURSES : At least 5 UNITS

- **Beginning Nutrition Seminar (NUT/NUB 290, 2 units)**

Discussion and critical evaluation of topics in nutrition with emphasis on literature review and evaluation in this field. Students give oral presentations on relevant topics.

- **Advanced Nutrition Seminar (NUT/NUB 291, 3 units)**

Advanced topics in nutrition research.

ELECTIVE COURSES : Total 16 UNITS

- **Research (NUB 299)**

Students will conduct their own original research.

- **Upper division or graduate level elective courses**

Students will select courses with the advice of a Graduate Advisor.

Scan to visit our website!

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