NUTRITIONAL SCIENCES, B.S. NUTRITION AND DIETETICS

The popular dietetics degree program combines clinical and managerial courses with the nutrition core to prepare students to become registered dietitian nutritionists (RDN). RDNs work in hospitals, outpatient clinics, schools, colleges, wellness programs and nursing homes as well as in public health agencies, the food industry, and research labs. Students meet the following criteria as a pathway for becoming an RDN:

1. Fulfill all academic course requirements of the Didactic Program in Dietetics (DPD) according to the Accreditation Council for Education in Nutrition and Dietetics (ACEND) 2017 Standards of Education

2. Receive a Nutritional Sciences, B.S. Dietetics

3. Complete an ACEND-accredited Dietetic Internship Program

4. Pass a national exam administered by the Commission on Dietetic Registration (CDR). Effective January 1, 2024, the CDR will require a minimum of a master’s degree to be eligible to take the registration examination to become an RDN. Students who complete the nutritional sciences major in the dietetics degree program receive the Bachelor of Science—Dietetics degree.

For complete program information, see the department website (https://nutrisci.wisc.edu).

ADMISSION TO NUTRITION AND DIETETICS DEGREE PROGRAM

Students will have PDI (Pre-Dietetics) classification until admission to the nutrition and dietetics degree program (ADI classification) as defined by completion of prerequisite courses with a cumulative GPA of ≥2.800, as well as, an overall GPA of ≥2.800. Students must apply for and be admitted to the program no later than the end of the semester in which the student accumulates 86 credits, which is senior standing. Department approval is required for admission. Students who are not admitted to the program by the time they accumulate 86 credits will not be allowed to continue in the PDI classification.

To be admitted to the B.S. nutrition and dietetics program, the following requirements must be met effective fall 2019:

1. A minimum overall cumulative GPA of 2.800. Cumulative GPA will be based on UW–Madison courses only.
2. Students must have completed one semester at UW–Madison before applying.
3. A minimum mean GPA of 2.800 in the following required prerequisite courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 103</td>
<td>General Chemistry I</td>
<td>3-4</td>
</tr>
<tr>
<td>&amp; CHEM 104</td>
<td>and General Chemistry II</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

- CHEM 109 Advanced General Chemistry
- ZOOLOGY/ANAT&PHY 335 Physiology
- NUTR SCI 332 Human Nutritional Needs

Select one of the following:

- PSYCH 202 Introduction to Psychology
- GEN BUS 300 Professional Communication
- BOTANY 151 Introductory Biology

1. This policy is applicable to undergraduate students entering or transferring into DPD classification fall 2018 and beyond. Students who have already completed a college degree (B.S. or B.A.) may choose to pursue the nutrition and dietetics program as either a second degree candidate, or as a Didactic Program in Dietetics (DPD) completer. Because they have already completed a bachelor’s degree, second-degree candidates and DPD completers are not required to follow this progression policy. Progression for these students will be closely monitored by the program coordinator.

2. Any transfer course from another university that will be used to meet the above required courses cannot be included in the GPA calculation. If the same course is taken more than once, only the grade from the last time the course was taken will be used in the GPA calculation.

Note: Admission to the DPD program is competitive, as enrollment is limited by accreditation standards; students meeting the minimum criteria are not guaranteed admission.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin–Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate
General Education Requirements (http://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext) section of the Guide.

General Education
- Breadth—Humanities/Literature/Arts: 6 credits
- Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits
- Breadth—Social Studies: 3 credits
- Communication Part A & Part B *
- Ethnic Studies *
- Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF AGRICULTURAL AND LIFE SCIENCES REQUIREMENTS

In addition to the University General Education Requirements, all undergraduate students in CALS must satisfy a set of college and major requirements. Specific requirements for all majors in the college and other information on academic matters can be obtained from the Office of Academic Affairs (http://www.cals.wisc.edu/academics), College of Agricultural and Life Sciences, 116 Agricultural Hall, 1450 Linden Drive, Madison, WI 53706; 608-262-3003. Academic departments and advisors also have information on requirements. Courses may not double count within university requirements (General Education and Breadth) or within college requirements (First-Year Seminar, International Studies and Science), but courses counted toward university requirements may also be used to satisfy a college and/or a major requirement; similarly, courses counted toward college requirements may also be used to satisfy a university and/or a major requirement.

COLLEGE REQUIREMENTS FOR ALL CALS B.S. DEGREE PROGRAMS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quality of Work: Students must maintain a minimum cumulative grade point average of 2.000 to remain in good standing and be eligible for graduation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residency: Students must complete 30 degree credits in residence at UW–Madison after earning 86 credits toward their undergraduate degree.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Year Seminar (<a href="http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext">http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext</a>)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>International Studies (<a href="http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext">http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext</a>)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physical Science Fundamentals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 103</td>
<td>General Chemistry I</td>
<td>4.5</td>
</tr>
<tr>
<td>or CHEM 108</td>
<td>Chemistry In Our World</td>
<td></td>
</tr>
<tr>
<td>or CHEM 109</td>
<td>Advanced General Chemistry</td>
<td></td>
</tr>
<tr>
<td>Biological Science</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Additional Science (Biological, Physical, or Natural)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Science Breadth (Biological, Physical, Natural, or Social)</td>
<td>3</td>
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</tbody>
</table>

CALS Capstone Learning Experience: included in the requirements for each CALS major (see “Major Requirements”) (http://guide.wisc.edu/undergraduate/agricultural-life-sciences/#requirementstext)

MAJOR REQUIREMENTS

Mathematics and Statistics
Select one of the following (or may be satisfied by placement exam):
- MATH 112 Algebra
- MATH 114 Algebra and Trigonometry

Select one of the following:
- PSYCH 210 Basic Statistics for Psychology
- SOC/ C&E SOC 360 Statistics for Sociologists I
- STAT 301 Introduction to Statistical Methods
- STAT 371 Introductory Applied Statistics for the Life Sciences

Chemistry
Select one of the following:
- CHEM 103 & CHEM 104 General Chemistry I and General Chemistry II
- CHEM 109 Advanced General Chemistry
- CHEM 341 or CHEM 343 Elementary Organic Chemistry or Introductory Organic Chemistry

Select one of the following:
- BMOLCHEM 503 Human Biochemistry
- BIOCHEM 501 Introduction to Biochemistry

Biology
Select one of the following:
- ZOOLOGY/BIOLOGY 101 & ZOOLOGY/BIOLOGY 102 Animal Biology and Animal Biology Laboratory
- ZOOLOGY/BIOLOGY/BOTANY 151 Introductory Biology

Select one of the following:
- MICROBIO 101 & MICROBIO 102 General Microbiology and General Microbiology Laboratory
- MICROBIO 303 & MICROBIO 304 Biology of Microorganisms and Biology of Microorganisms Laboratory

Foundation
- ANAT&PHY 335 Physiology | 5 |
- PSYCH 202 Introduction to Psychology | 3 |
- GEN BUS 300 Professional Communication | 3-4 |
- GEN BUS 310 Fundamentals of Accounting and Finance for Non-Business Majors | 3 |
- GEN BUS 311 Fundamentals of Management and Marketing for Non-Business Majors | 3 |

Select one of the following: 2-3
CURRIC/ CSCS 427 Methods of Teaching Family and Consumer Education
CURRIC/ CSCS 428 Program Planning in Family and Consumer Education
ED PSYCH 301 How People Learn

Core
FOOD SCI 301 Introduction to the Science and Technology of Food 3
FOOD SCI 437 Food Service Operations 3
FOOD SCI 438 Food Service Operations Lab 1
NUTR SCI 200 The Professions of Dietetics and Nutrition 1
NUTR SCI 332 Human Nutritional Needs 3
NUTR SCI 431 Nutrition in the Life Span 3
BIOCHEM/NUTR SCI 510 Nutritional Biochemistry and Metabolism 3
NUTR SCI 631 Clinical Nutrition I 3
NUTR SCI 632 Clinical Nutrition II 3

Capstone
NUTR SCI 500 Undergraduate Capstone Seminar Laboratory 1
NUTR SCI 520 Applications in Clinical Nutrition 3

Total Credits 73-82

1. Obtains and can articulate specialized knowledge in the field of nutritional sciences and dietetics along with an education broad enough to meet the challenges of future careers and opportunities.

2. Obtains and can articulate foundational knowledge in areas relevant to the field of nutrition and dietetics.

3. Communicates complex ideas in a clear and understandable manner through both written and oral presentations.

4. Demonstrates quantitative literacy in math and statistics relevant to nutritional sciences and dietetics.

5. Demonstrates the ability to think critically and creatively, to synthesize, analyze, and integrate ideas for decision making and problem solving.

6. Develops the skills for life-long learning and is capable of locating, interpreting, and critically evaluating professional literature and current research.

7. Develops a global perspective and an appreciation for the interdependencies among individuals and their workplaces, communities, environments, and world; and an understanding of the interrelationships between science and society.

8. Develops a respect for truth, a tolerance for diverse views, and a strong sense of personal and professional ethics.

**FOUR-YEAR PLAN**

**SAMPLE NUTRITIONAL SCIENCES FOUR-YEAR PLAN—NUTRITION AND DIETETICS DEGREE**

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHEM 103*</td>
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<td>CHEM 104*</td>
<td>5</td>
</tr>
<tr>
<td>COMM A or COMM B*</td>
<td>3</td>
<td>PSYCH 202*</td>
<td>3</td>
</tr>
<tr>
<td>MATH 112 or 114</td>
<td>3-5</td>
<td>ZOOLOGY/BIOLOGY 101 (Ethnic Studies, or International Studies)*</td>
<td>3</td>
</tr>
<tr>
<td>ZOOLOGY/BIOLOGY 101 (Ethnic Studies, or International Studies)*</td>
<td>3</td>
<td>ZOOLOGY/ BIOLOGY 102*</td>
<td>2</td>
</tr>
<tr>
<td>Elective</td>
<td>2 First Year Seminar</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>15-17</td>
<td>14</td>
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Total Credits 29-31

**Sophomore**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NUTR SCI 200</td>
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<tr>
<td>MICROBIO 101 or 303</td>
<td>3</td>
</tr>
<tr>
<td>MICROBIO 102 or 304</td>
<td>2 Statistics*</td>
</tr>
<tr>
<td>CHEM 341*</td>
<td>3</td>
</tr>
<tr>
<td>Electives*</td>
<td>3</td>
</tr>
<tr>
<td>COMM B*</td>
<td>3</td>
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Total Credits 29-30

**Junior**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>FOOD SCI 301*</td>
<td>3</td>
</tr>
<tr>
<td>GEN BUS 310*</td>
<td>3</td>
</tr>
</tbody>
</table>

**LEARNING OUTCOMES**

Note: recommended electives for nutrition and dietetics students can be found on the Advising and Careers tab.
Nutritional Sciences, B.S. Nutrition and Dietetics

BIOCHEM 501 3 Education Techniques 4 3
Electives 6-7 GEN BUS 311 3
Electives 3-4
15-16 15-16
Total Credits 30-32

Senior

Fall Credits Spring Credits
NUTR SCI 631 2 3 NUTR SCI 632 3 3
FOOD SCI 437 2 3 NUTR SCI 520 3
FOOD SCI 438 2 1 Electives 12-13
NUTR SCI 500 1
Electives 6-7
14-15 18-19
Total Credits 32-34

1 MATH 112 is a prerequisite
2 Offered only fall semester
3 Offered only spring semester
4 ED PSYCH 301, CSICS/CURRIC 427, or CSICS/CURRIC 428 (one course required)
• See Requirements tab for recommended supporting courses
• Students interested in pursuing the nutrition and dietetics program must complete specific prerequisite courses (denoted by * above) and must achieve the necessary grade point average criteria. Consult http://www.nutrisci.wisc.edu for specific information on admission requirements and application procedure.

ADVISORY AND CAREERS

ADVISORY
Prospective and declared students should contact the student services coordinator with questions.

CAREERS
Registered dietitian nutritionists (RDN) work in hospitals, outpatient clinics, schools, colleges, wellness programs and nursing homes as well as in public health agencies, the food industry, and research labs. Students who fulfill the requirements of the Didactic Program in Dietetics and receive a Nutritional Sciences B.S. in Dietetics are qualified to complete a post-graduate Dietetic Internship. Upon completing the Dietetic Internship, a graduate is eligible to take the examination administered by the Commission on Dietetic Registration leading to certification as a RDN.

RECOMMENDED ELECTIVES FOR DIETETICS STUDENTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ACCT I S 300</td>
<td>Accounting Principles</td>
<td>3</td>
</tr>
<tr>
<td>COM ARTS 368</td>
<td>Theory and Practice of Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>COUN PSY 650</td>
<td>Theory and Practice in Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>C&amp;S SOC/SOC 222</td>
<td>Food, Culture, and Society</td>
<td>3</td>
</tr>
<tr>
<td>FOOD SCI/ AN SCI 321</td>
<td>Food Laws and Regulations</td>
<td>1</td>
</tr>
<tr>
<td>FOOD SCI/MICROBIO 324</td>
<td>Food Microbiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>FOOD SCI/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGROMONY/ ENTOM 203</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOOD SCI/A A E/</td>
<td>World Hunger and Malnutrition</td>
<td>3</td>
</tr>
<tr>
<td>AGRONOMY/INTER-AG 350</td>
<td></td>
<td></td>
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<tr>
<td>NUTR SCI/ KINES 525</td>
<td>Nutrition in Physical Activity and</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 621</td>
<td>Health</td>
<td></td>
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<tr>
<td>NUTR SCI 540</td>
<td>Community Nutrition Programs and</td>
<td>1</td>
</tr>
<tr>
<td>POP HLTH 621</td>
<td>Policy Issues</td>
<td></td>
</tr>
<tr>
<td>PATH 404</td>
<td>Pathophysiologic Principles of</td>
<td>3</td>
</tr>
<tr>
<td>PHM PRAC 672</td>
<td>Human Diseases</td>
<td>2-3</td>
</tr>
<tr>
<td>NUTR SCI/ POP HLTH 370</td>
<td>Survey of Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 531</td>
<td>Sociology of Medicine</td>
<td>3</td>
</tr>
</tbody>
</table>

PEOPLE

PROFESSORS
Dave Eide (chair), Ph.D. 1987
Richard Eisenstein, Ph.D. 1985
Guy Groblewski, Ph.D. 1991
Huichuan Lai, Ph.D., RDN 1994
Denise Ney (Director, Didactic Program in Dietetics), Ph.D., RDN 1986
James Ntambi, Ph.D. 1985
Roger Sunde, Ph.D. 1980
Sherry Tanumihardjo, Ph.D. 1993

ASSOCIATE PROFESSOR
Beth Olson, Ph.D.

ASSISTANT PROFESSORS
Adam Kuchnia, Ph.D., RDN 2017
Brian Parks, Ph.D. 2008
Eric Yen, Ph.D. 2000

FOOD SCI/ MICROBIO 325 | Food Microbiology | 3
FOOD SCI 410 | Food Chemistry | 3
FOOD SCI 412 | Food Analysis | 4
GEN&WS 103 | Women and Their Bodies in Health and Disease | 3
KINES 314 | Physiology of Exercise | 4
MARKETING 300 | Marketing Management | 3
MED HIST/ ENVIR ST 213 | Global Environmental Health: An Interdisciplinary Introduction | 3
NURSING/S&A PHM/ SOC WORK 105 | Interdisciplinary Approach | 2
NURSING/PEDIAT/ PHM PRAC/ SOC WORK 746 | Interdisciplinary Care of Children with Special Health Care Needs | 3
NUTR SCI/ AGRONOMY/ ENTOM 203 | Introduction to Global Health | 3
NUTR SCI/A A E/ AGRONOMY/INTER-AG 350 | World Hunger and Malnutrition | 3
ASSOCIATE FACULTY ASSOCIATE
Amber Haroldson, Ph.D., RDN, M.S.
Tara LaRowe (Coordinator, Didactic Program Dietetics), Ph.D., RDN
Makayla Schuchardt, M.S., RDN, CNSC
Julie Thurlow, DrPH, RDN

SENIOR LECTURER
Pete Anderson, M.S.

STUDENT SERVICES COORDINATOR AND LECTURER
Erika Anna, RDN

GRADUATE COORDINATOR
Katie Butzen, MS.Ed.

WISCONSIN EXPERIENCE

The following opportunities can help students connect with other students interested in dietetics and nutrition, build relationships with faculty and staff, and contribute to out-of-classroom learning:

- Dietetics and Nutrition Club (DNC) (https://win.wisc.edu/organization/dnc), a student organization open to anyone interested in meeting others pursuing dietetics and nutrition. Involvement in the DNC is a great way to find out about events and opportunities to network within the field of nutrition and dietetics. See the DNC Facebook page here (https://www.facebook.com/groups/DNC.UWMadison/?ref=ts&fref=ts).
- Academy of Nutrition and Dietetics (AND) (http://www.eatrightpro.org), the world's largest organization of food and nutrition professionals. AND provides public information on advocacy, leadership, career development, dietetics resources, position and practice papers; student membership rates and privileges can be found here (http://www.eatrightpro.org/resources/membership/membership-types-and-criteria/student-member).
- Wisconsin Academy of Nutrition and Dietetics (WAND) (http://www.eatrightwisc.org/default.asp), Wisconsin's chapter of AND.
- Collegiate FFA (http://collegiateffamadison.weebly.com), an official collegiate chapter of the National FFA organization.
- AWA (http://awamadison.org), the Association of Women in Agriculture, a professional student organization for young women with a passion for agriculture.
- WISELI (http://wiseli.engr.wisc.edu), Women in Science and Engineering Leadership Institute—a research center aiming to increase the representation, advancement, and satisfaction of women faculty and members of groups currently underrepresented on the faculty and in leadership at UW–Madison.
- Research/Lab experience: Students are encouraged to get involved in research, whether in the Department of Nutritional Sciences, or through other departments. Research can be performed for either course credit or pay, depending on the opportunity. Research opportunities can primarily be found by inquiring with advisors, instructors, and faculty members. Learn more about faculty research here (https://nutrisci.wisc.edu/people/faculty-staff).

CERTIFICATION/LICENSURE

ELEVATED EDUCATION REQUIREMENTS FOR THE FUTURE REGISTERED DIETITIAN NUTRITIONIST (RDN)

The registration examination for RDNs is designed to evaluate a candidate's ability to perform at the entry-level, and currently, candidates must hold the minimum of a baccalaureate degree to take the exam. In 2013, Commission on Dietetics Registration (CDR) moved to change the entry-level registration eligibility requirements for RDNs; instead of requiring a Baccalaureate degree, the educational preparation for the future entry-level RDN is now the minimum of a master's degree. CDR's mandate goes into effect January 1, 2024.

CURRENT STUDENTS

Students completing dietetics coursework and a dietetic internship by January 1, 2024 will still be eligible to take the RDN exam with a baccalaureate degree.

PROSPECTIVE STUDENTS

Freshmen declaring pre-dietetics (PDI) in 2020 and beyond will be held to the new 2024 mandate, which will require students to hold the minimum of a master's degree in order to be eligible to take the RDN exam.

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Bursar's Office (https://bursar.wisc.edu/tuition-and-fees) lists the tuition and fee expenses for full-time resident and nonresident undergraduates.

Students seeking a degree are eligible to obtain federal financial aid. For further information about receiving financial aid at the University of Wisconsin-Madison, visit the Office of Student Financial Aid (https://financialaid.wisc.edu) website.

Each year the Department of Nutritional Sciences awards $40,000–$50,000 in scholarships to nutritional sciences majors. In order to be considered for a DNS Scholarship, students must have a current FAFSA filed and a completed scholarship application submitted. A list of available DNS scholarships may be accessed on our Scholarships (https://nutrisci.wisc.edu/undergraduate/scholarships) page.

ACCREDITATION

Accreditation

Accreditation Council for Education in Nutrition and Dietetics (https://www.eatrightpro.org/acend)