

CASE WESTERN RESERVE UNIVERSITY

Didactic Program in Dietetics (DPD)

Student Handbook

May 2024



SCHOOL OF MEDICINE

CASE WESTERN RESERVE
UNIVERSITY

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DIDACTIC PROGRAM IN DIETETICS

Student Handbook

Case Western Reserve University

Overview of DPD Program

The Didactic Program in Dietetics (DPD) is the first of the three required steps in the education and training of dietetics professionals via the "DPD to RDN" pathway. Dietitians are the health professionals who translate the science and art of nutrition and food in the service of people. They can do this best if they are confidently grounded in their foundational knowledge and skill development. The DPD provides this firm foundation and to prepare the student for entry into the second educational requirement - that of the supervised practice experience. The well-designed didactic program in dietetics will provide courses and educational experiences in the basic sciences of biology, chemistry, biochemistry, physiology and microbiology, nutrition sciences - including basic nutrition, food science, clinical nutrition, advanced nutrition, and the nutrition care process, as well as the social sciences, such as sociology and psychology, and resource management. Graduates of the DPD Program will successfully complete the Accreditation Council for Education in Nutrition and Dietetics (ACEND)-Required Core Knowledge and competencies. DPD Program graduates are eligible to apply to and, upon acceptance enter into a Supervised Practice Program in Dietetic (aka - Dietetic Internship or DI). Completing a DI, along with a Master's degree, leads to eligibility to take the exam to earn Registered Dietitian Nutritionist (RDN) status.

Description of Process - From DPD to Dietetic Internship (DI) to RDN

Application to a supervised practice program (DI) is done via the Dietetic Internship Centralized Application System (DICAS; information at: <https://www.eatrightpro.org/acend/students-and-advancing-education/dietetic-internship-match-students>), whereby student applicants submit their application(s) electronically to DI programs via DICAS, and selection/admission ("matching") is done through a computer matching process by D&D Digital Systems (<https://www.dnndigital.com>). Upon completing our DPD Program, students will receive a document called the "DPD Verification of Completion Statement" (DPD Verification Statement). This document is required for and enables students that are selected (matched) to DI to enter into and start work in the internship. PLEASE NOTE: The maximum amount of time allowed for completing DPD program requirements is three years as an active-status DPD student. (*The max DPD completion time may also be expressed as 36 months.*)

PLEASE NOTE: Completion of the DPD program (the 1st step in the "DPD to RDN" pathway) does not guarantee acceptance into a DI. Completion of the DPD program is required for eligibility to apply and enter into a DI (which is the 2nd step, along with a Master's degree, in the process to becoming a Registered Dietitian Nutritionist, or RDN). After completing the DI, one must take and pass the Registration Examination, Credentialing Exam (see at: <https://www.cdrnet.org/certifications/registered-dietitian-rd-certification>) to earn the RDN license (the 3rd and final step to becoming an RDN). *PLEASE NOTE: Since January 1st, 2024 a Master's degree is also required in order to be eligible to take the CDR credentialing exam for registered dietitian nutritionists.*

The DPD program in the Department of Nutrition is situated within the School of Medicine at Case Western Reserve University (CWRU). Its focus is on human clinical nutrition and the application of the science of nutrition to health maintenance and health improvement. The Nutrition Department was established in 1913, and over the years it has developed and evolved in exciting ways. Historically, our first student identified as a “dietitian” graduated in 1918. Thus, we have a long history of providing a strong, successful nutrition program.

DPD Mission

“The mission of the Didactic Program in Dietetics (DPD) at Case Western Reserve University is to provide quality dietetic courses and didactic course learning experiences for students to complete the DPD, which prepares graduates to successfully enter into and complete supervised practice leading to eligibility for the CDR credentialing exam to become a Registered Dietitian Nutritionist, and/or obtain employment in a health-related field.”

<https://case.edu/medicine/nutrition/education-programs/didactic-program-in-dietetics>.

DPD Philosophy

The philosophy of the DPD at Case Western Reserve University is to educate individuals through quality dietetic courses and didactic course learning experiences, to develop professionals who will translate the science and art of nutrition and food chemistry into application through practice of dietetics and to develop visionary and competent individuals who will be able to understand and solve complex problems encountered by the professional dietitian.

DPD Program Goals and Objectives*

Program Goal 1: Prepare graduates for success by providing a high-quality education in dietetics.

Objectives for Goal 1:

- At least 80% of program students complete program/degree requirements within 3 years (150% of the program length).
- 100% of all DPD students will receive advising at least three times per year.
- 80% percent of program graduates apply for admission to a supervised practice program prior to or within 12 months of graduation.
- 90% of graduates will indicate “satisfactory” or better score with respect to quality of educational guidance provided by the DPD Director and Nutrition faculty.

Program Goal 2: Prepare graduates to successfully enter into and perform competently in a supervised practice program in preparation to be an entry-level dietitian.

Objectives for Goal 2:

- 80% percent of graduates are admitted into a supervised practice program within 12 months of graduation.
- 90% of graduates will indicate a “satisfactory” response or better that the DPD program prepared them for their supervised practice experience.

- 90% of graduates will receive “satisfactory” ratings or higher on their overall knowledge and performance from their supervised practice program (DI) director.

Program Goal 3: Provide excellence in nutrition and dietetics education in order to prepare graduates to work as a Registered Dietitian Nutritionist (RDN) and/or in a health-related field.

Objectives for Goal 3:

- The program’s one-year pass rate (graduates who pass the registration exam within one year of first attempt) on the CDR credentialing exam for dietitian nutritionists is at least 80%.
- 80% of graduates who did not apply to a supervised practice program will enter either a post-baccalaureate educational program or be employed in a health-related field within six months of completing the DPD.
- 90% of graduates who did not apply to a supervised practice program will indicate “satisfactory” or better that the DPD program prepared them for a career in a health-related field.

**Program outcomes data available upon request.*

DPD Accreditation Status

The CWRU Didactic Program in Dietetics (DPD) is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND).

Accreditation by ACEND ensures that graduates are eligible to apply to and, upon acceptance enter into a Supervised Practice Program in Dietetic (aka - Dietetic Internship or DI). Completing a DI leads to eligibility to take the exam to earn Registered Dietitian Nutritionist (RDN) status.

ACEND® can be contacted by:

- **Email:** ACEND@eatright.org
- **Phone:** 800/877-1600, ext. 5400
- **Mail:** 120 South Riverside Plaza
Suite 2190, Chicago, IL 60606-6995
- <https://www.eatrightpro.org/acend>

Applying to the DPD

Students wishing to apply to the DPD Program and thus, pursue eligibility for 'Dietetic Registration' should consult with the Program Director: James Swain, PhD, RDN, LD, FAND.

Office location: School of Medicine | Nutrition Department | Rm. W-G48

Phone: 216.368.6554

Email: james.swain@case.edu

*The DPD Admission Criteria and Application form are located in **Appendix A** of the DPD Student Handbook.*

Prospective Students - DPD Application & Admission Criteria

Students who meet the following criteria* will be admitted into the DPD Program:

- 1) Grade of B or above in NTRN 201.
- 2) Grade of C or above in BIOL 214, and CHEM 105 and 106
- 3) Overall cumulative GPA of at least 3.2 at the time of application.

**No other factors are used. These requirements were based on an in-depth review conducted by the DPD Director, the DPD Advisory Board, and Nutrition Department faculty regarding student academic success and subsequent performance data and thus, the grade and course requirement (and/or the equivalents), along with the minimum overall and DPD GPA entrance and maintenance requirements, were carefully instituted. Students who do not meet these criteria, have the option of retaking one or more of the required courses, then reapply for admission into the DPD. Once admitted, students are required to maintain an Overall and DPD GPA of at least 3.2 and 3.4, respectively, to maintain DPD student "active" status. The DPD Director notifies students of formal admission into the DPD Program. If active DPD students fail to maintain the overall and DPD GPA requirements during any one semester, the student will be notified before the beginning of the following semester that based on one or both GPAs they are therefore considered to be "inactive" in terms of DPD status. Any of these students will be provided additional educational guidance and advising, which may include suggestions for retaking courses to enhance and strengthen GPA(s) in order to regain "active" DPD status. Such students will also be provided with major and career planning and counseling, including future career options.*

Typically, undergraduate students are ready to apply to and enter the DPD Program Fall semester of their junior year. The DPD Program Director, the DPD Advisory Board, and Nutrition Department faculty have met on numerous occasions to review past student performance data (i.e. course performance vs. subsequent success in DI and on RD exam) and after careful consideration selected reasonable courses and associated grade and overall and DPD GPA criteria.

Transfer Students, Minimum DPD Course Credit Requirements, and Assessment of Prior Learning: The DPD program does not provide credit for prior experiential activities. However, if a student enters the DPD program with a baccalaureate degree or higher, the DPD Director will evaluate the student's transcripts to determine the specific courses the student must take in order to complete the DPD requirements and thus, receive a verification statement. In order to receive a verification statement, the student must take a minimum of 15 credit hours of DPD courses in the Nutrition Department at CWRU. Of those 15 credit hours, nine of the hours must come from at least three of the following four upper division MNT and Community Nutrition courses (NTRN 363 (Human Nutrition I), NTRN 364 (Human Nutrition II), NTRN 365 (Nutrition for the Prevention and Management of Disease: Pathophysiology [MNTI]), and NTRN 528/550A Public Health/Comm. Nutrition.

DPD Program Format

The DPD program at CWRU is formatted and designed to cover all ACEND-Required Core Knowledge and competencies, in support of achieving our program goals, objectives, and student learning outcomes. The curriculum of the DPD Program may be completed concurrently with any degree program in the Nutrition Department. It is organized with sequential courses that logically progress from introductory learning activities to more advanced courses and activities that build on previous knowledge to achieve the expected depth and breadth of knowledge upon completion of the program. The DPD is formatted and organized into two compartments: 1) Nutrition DPD and 2) Non-Nutrition DPD courses. All courses follow a logical progression of flow, with basic concepts covered first, then more advanced topics. The DPD program's curriculum per se is formatted and designed to be completed within two years as an active-status DPD student – either the last two years of any undergraduate program or within two years as a post-baccalaureate student. Students are considered “active DPD” students once they apply to and are admitted into the DPD program, which may be done once specific science courses and NTRN 201 are completed, and overall and DPD related GPAs are achieved. See the DPD Student Handbook for Information regarding the Application Process – see below and in Appendix A. Some DPD course prerequisite coursework and a few DPD courses that do not have significant prerequisites may be taken by DPD-prospective students, as many such courses also apply towards required or elective Nutrition Department courses and/or CWRU University breadth area course requirements.

DPD course requirements and the curriculum can also be seen online as well at:

<https://case.edu/medicine/nutrition/education-programs/didactic-program-in-dietetics/dpd-curriculum>

Sample schedules showing how the DPD may be integrated within undergraduate degree programs can be found in the DPD Student Handbook at - see **Appendix C & D** of this Handbook.

Formal Assessment of Student Learning

Student progress towards learning goals and outcomes occurs throughout the student's academic program. Each semester, the DPD Director will review student performance (i.e. student learning outcomes and competencies) as required by ACEND – as well as overall performance in the course and on specific assignments using grading and evaluation rubrics, as well as course grades to make this assessment.

Retention and Remediation Procedures

Students failing to maintain an overall/cumulative of 3.2 and a cumulative DPD GPA of at least 3.4 will no longer formally be “active” in the program, until both GPAs are once again at or above those GPA requirements; such students will also be instructed to meet with the DPD Director to receive additional guidance regarding improvement of performance and review the students' long-term plans, including guidance regarding retaking courses and other specific activities.

Further, CWRU has retention policies as described in the Engaging our Students for Success: Strategic Plan:

<https://students.case.edu/division/strategicplan/doc/strategicplan.pdf>

The above was developed after the 2013-2018 “Strategic Plan for Case Western Reserve University: Think Beyond the Possible” (archived at: https://case.edu/provost/sites/case.edu.provost/files/2018-03/CWRU_2013-

[18_strategicplan_12-30-13.pdf](#)). Peer mentoring:

<https://students.case.edu/leadership/resources/mentoring/programs.html>

Completing the DPD

Completion of both a minimum of a Bachelor's degree and the DPD coursework is mandatory before entering a supervised practice program (DI). All students, not only those planning to apply to dietetic internships (DI), will receive official verification of DPD completion, provided by the DPD Director in the form of the Academy of Nutrition and Dietetic's (AND) DPD "Verification Statement." As mentioned previously, if a student enters the program with a baccalaureate degree or higher, the DPD Director evaluates the student's transcripts to determine the specific courses the student must take in order to complete the DPD requirements and thus, receive a verification statement. In order to receive a verification statement, the student must take a minimum of 15 credit hours of DPD courses in the Nutrition Department at CWRU. Of those 15 credit hours, nine of the hours must come from at least three of the following four upper division Nutrition and MNT courses (NTRN 363 (Human Nutrition I), NTRN 364 (Human Nutrition II), NTRN 365 (Nutrition for the Prevention and Management of Disease: Pathophysiology [MNTI]), and NTRN 366 (Nutrition for the Prevention and Management of Disease: Pathophysiology [MNTII])). Students applying to a DI prior to completing all of the DPD coursework will be supplied with a form entitled, "Intent to Complete DPD", which lists any remaining DPD coursework - during the time between sending the DI application and entering the internship - and is signed by the DPD Director and the student. PLEASE NOTE: The maximum amount of time allowed for completing DPD program requirements is three years as an active-status DPD student. (*The max DPD completion time may also be expressed as 36 months.*) Upon completion of an accredited Dietetic Internship, a national registration examination is taken. Successful completion of the examination is necessary in order to receive credentialing as a Registered Dietitian (RD).

DI Application Process

The dietetic internship application process via DICAS and D&D Digital, as mentioned previously, will therefore require the following:

- Completion and submission of all required forms and any additional internship-specific requirements.
- If students are still in the process of completing the final set of DPD courses, the "Declaration of Intent to Complete" form is provided for use. Thereafter, the "Verification [of completion of DPD] Statement", signed by the DPD Director is provided to ultimately enter the DI. The "*Declaration of Intent to Complete*" form lists all DPD courses in which the student is enrolled at time of internship application. These courses must be completed prior to starting an internship.
- Also, submission of the paper or online "mark/sense" - DI ranking - form to D&D Digital Systems for computer matching.

Applying to the CWRU - University level – Preliminary Step

Prospective undergraduate students who wish to apply to CWRU can do so through one of two application portals, the common application (<https://www.commonapp.org/school/case-western-reserve-university>) or the coalition application (<http://www.coalitionforcollegeaccess.org>). The coalition application is a portal that focuses on increasing students' access to higher education with a mission of supporting low-income students. All undergraduate applications go directly to the CWRU Office of Admissions. Graduate level students will use the application portal Apply Yourself (https://app.applyyourself.com/AYApplicantLogin/fl_ApplicantConnectLogin.asp?id=case-gr) through

Hobsons that can be found on The School of Graduate Studies (<https://case.edu/gradstudies/>) homepage. Applications are sent directly to the department in which the prospective student is interested and a committee of department employees will evaluate that application for admission or denial. Description of Nutrition Department academic programs, with which the DPD may be taken concurrently: Overview: <https://case.edu/medicine/nutrition/education-programs>. Undergraduate: <https://case.edu/medicine/nutrition/education-programs/undergraduate-programs-in-nutrition>. Post-Baccalaureate: <https://case.edu/medicine/nutrition/education-programs/masters-programs-in-nutrition>

Reminder: Summary of Steps to Becoming a RDN

In summary, the three steps – in the following order – must be completed in order to earn a RDN license:

1. Completion and verification of DPD (or via coordinated program verification).
2. Acceptance, entrance into, and completion (verification) of a DI (may be within a DI or combined MS-DI program).
3. Pass National Registration Examination for Dietitians (to receive RDN license).

PLEASE NOTE: Starting on January 1st, 2024 a Master's degree will be required in order to be eligible to take the CDR credentialing exam for registered dietitian nutritionists.

SUMMARY OF COURSES REQUIRED FOR DPD

(LISTED ALPHABETICALLY)

• ANTH 215 or SOCI 311	3	Medical Anthropology, Health, Illness Social Behavior
• BIOC 307/407 or 405	4	Biochemistry
• BIOL 340 & 346 or 216	3 (or 4)	Human Anatomy/Physiology or Development & Physiology
• BIOL 343	3	Microbiology
• CHEM 223	3	Organic Chemistry
• UGER Experience Portfolio		English Writing
• NTRN 201/401	3	Nutrition
• NTRN 337/437	3	Nutrition Communication, Counseling, and Behavior change strategies
• NTRN 342 +342L	5	Food Science (lecture and lab)
• NTRN 343	3	Dietary Patterns
• NTRN 351/451	3	Food Service Systems Management
• NTRN 363/433*	3	Human Nutrition I: Energy, Protein, Minerals
• NTRN 364/434*	3	Human Nutrition II: Vitamins
• NTRN 365	4	Nutrition in Disease: Pathology/MNT
• NTRN 350	3	Advanced Community Nutrition
• NTRN Electives (2)**	6	
• SOCI 101	-	
• <i>One of following courses:</i> STAT 201, 243, 312, or	3	Introduction to Sociology
313 or PQHS 431 or ANTH 319 or PSCL 282	3	Statistics

Total Credit Hours for DPD: ~58-59

Total Credit Hours for BS/Nutrition Degree: 120

Total Credit Hours for MS/Nutrition Degree: 30 (minimum of 18 credit hours at 400 level or higher)

- This summary of courses lists the minimum requirements for completion of the Didactic Program in Dietetics.

NOTES:

*Masters students are required to take NTRN 433 and 434 as part of degree requirements.

**Undergraduate students = Two 3-credit 300-level + NTRN Dept. courses; Master's students = Two 3-credit 400-level+ NTRN Dept. courses; excluding NTRN 341 for both.

Please direct questions to DPD Director – James Swain, PhD, RDN, LD, FAND (james.swain@case.edu)

CWRU – Didactic Program in Nutrition and Dietetics (DPD)

Student Name: _____

Date: _____

COURSE	Cr. Hrs.	Course/Year/Univ.
NUTRITION		
NTRN 201/401 Nutrition	3	
NTRN 337/437 - Nutrition Communication, Counseling, and Behavior Change Strategies	3	
NTRN 342 Food Science + NTRN 342 Lab	5	
NTRN 343 Dietary Patterns	3	
NTRN 351/451 Food Service Systems Management	3	
NTRN 363/433 Human Nutrition I	3	
NTRN 364/434 Human Nutrition II	3	
NTRN 365 Diet in Disease: Pathology/MNT	4	
NTRN 350 Public Health/Community Nutrition	3	
NTRN Electives (2)**	6	
OTHER		
BIOC 307/407 or 405 - Biochemistry	4	
BIOL 343 Microbiology	3	
BIOL 216 Development & Physiology or BIOL 340 and 346 (Human Anat. & Physiol.)	3, 4	
CHEM 223 Organic Chemistry	3	
UGER Experience Portfolio		
ANTH 215 Intro to Med Anthropology		

or SOCI 311 Health, Illness, Social Behavior	3	
SOCI 101 Introduction to Sociology	3	
One of following: STAT 201, 243, 312, 313, PQHS 431, ANTH 319, or PSCL 282	3	

NOTES:

*Masters students are required to take NTRN 433 and 434 as part of degree requirements.

**Undergraduate students = Two 3-credit 300-level + NTRN Dept. courses; Master's students = Two 3-credit 400-level+ NTRN Dept. courses; excluding NTRN 341 for both.

Please direct questions to DPD Director – James Swain, PhD, RDN, LD, FAND (james.swain@case.edu)

Tuition and Fees (CWRU) – 2024

▼ Students Entered Summer 2023, Fall 2023, or Spring 2024 (updated 1/31/2024)

Tuition and Fees:				
	Summer 2023	Fall 2023	Spring 2024	Fall & Spring Total
Summer Tuition: Undergraduate Level Class (399 or Below)	\$1,272 per credit hour			
Summer Tuition: Graduate Level Class (400 or Above)	\$2,544 per credit hour			
Tuition		\$2,672 per credit hour	\$2,672 per credit hour	
Tuition Maximum Per Term/Semester	\$30,520	\$32,050	\$32,050	\$64,100
Student Medical Plan ¹		\$1,765	\$1,765	\$3,530
Undergraduate Activity Fee ²		\$238	\$238	\$476
Matriculation Fee ³		\$340	\$340	\$680
RTA Transportation Fee ²		\$47.50	\$47.50	\$95
Total Tuition and Fees		\$34,440.50	\$34,440.50	\$68,881

See at: <https://case.edu/studentaccounts/tuition-fees/undergraduate-tuition-fees>

Other Estimated Cost of Attendance:				
	Summer 2023	Fall 2023	Spring 2024	Fall & Spring Total
Housing & Meal Plan - Residential (<i>unlimited meals per week</i>)		\$9,101	\$9,101	\$18,202
Books, Supplies, and Personal Expenses		\$1,475	\$1,475	\$2,950
Total Other Estimated Cost of Attendance		\$10,576	\$10,576	\$21,152

Room and Board Rates: <http://studentaffairs.case.edu/living/resources/documents/>

regarding different types of rooms, rates and meal plans.

Campus Parking: Rates vary depending on location of lot or garage.

Information available from Parking Office: 216-368-2724.

Other DPD Associated Fees which vary:

Academy of Nutrition and Dietetics: Computer

(Student Membership) optional

Matching Fee: D&D Digital Systems

(for individuals applying to Dietetic Internships) Varies

CWRU Transcript Fee:

– based on route - varies

Post-Bacc. (Graduate) - (CWRU) – 2024

<https://case.edu/studentaccounts/tuition-fees/graduateprofessional-tuition-fees>

Student Financial Services:

<https://case.edu/studentaccounts/>

Additional University Cost Information and Policies

University Tuition: <https://case.edu/admission/tuition-aid>

Undergraduate tuition and fees: <https://case.edu/studentaccounts/tuition-fees/undergraduate-tuition-fees>

Common fees and transactions costs: <https://case.edu/studentaccounts/tuition-fees/common-fees-and-transactions>

Housing (room and board rates): <https://students.case.edu/housing/resources/documents/1718/rates.html>

CWRU Student Medical Plan, Information, and Costs: <https://students.case.edu/wellness/medicalplan/>

CWRU University Meal Plans/Dining Halls and Costs: <https://case.edu/dining/meal-plans/meal-plan-options> and <https://case.edu/studentaccounts/tuition-fees/graduateprofessional-tuition-fees/school-of-graduate-studies>

Contact information regarding tuition payments and financial aid can be found at:

http://www.case.edu/finadmin/controller/contact_list.htm

The University's policy regarding Veterans Benefits can be found at:

<https://case.edu/financialaid/resources/veterans-educational-benefits>

Note Regarding Specific Tuition Costs: (From the University) CWRU base tuition at the undergraduate level for this upcoming academic year (2018-2019) is \$48,604 per year, not including fees, books and other expenses. The approximate total tuition for residential students with fees and housing included is \$67,337, while commuter tuition is closer to \$56,217. Graduate level tuition is \$1,882 per credit hour taken unless the student takes over 12 credit hours within a semester in which case the student is charged no more than \$22,584 per semester. Costs may vary widely due to where a student decides to live, the type of insurance coverage, and if they elect meal plans, etc. Also, students may decide to purchase hard copy or electronic-based books from bookstore(s) or publishers and thus, these costs are also highly variable among students. Therefore, the University (CWRU) has recently not made specific estimates for these additional costs for students.

What is Not Involved in this DPD Program?

Our DPD students are not involved with preceptors and/or in any work at outside (non-CWRU) facilities, nor do they provide any type of professional care, at this stage, to patients or other individuals. Therefore, no professional liability insurance is necessary.

Students in this program will not be required to travel outside the University setting, unless as part of a course experience in which case the instructor will provide additional information and necessary forms.

Students in this program will also not be involved in any experiential learning outside the classroom and thus, are not expected to be at risk for additional injury or illness as otherwise would be at risk for on the CWRU University environment.

Student in this program will not be subjected to any drug testing or criminal background checks.

Students will not receive any paid compensation as part of any work performed as related to this DPD program.

Students in this DPD Program will not receive any distance instruction and/or online testing. The exception may be if a student has a University-recognized learning disability and another type of testing approach has been

approved for administration to the student on a University-wide basis. See at: <https://students.case.edu/policy/disability.html>

Does this DPD Program Offer Prior Assessed Learning and Credit?

Our program does not provide “Prior Assessed Learning” or “Experiential Credit.” However, if a student enters the program as a transfer student or with a baccalaureate degree or higher, the DPD Director evaluates the student’s transcripts to determine the specific courses the student must take in order to complete the DPD requirements and thus, receive a verification statement. In order to receive a verification statement, the student must take a minimum of 15 credit hours of DPD courses in the Nutrition Department at CWRU. Of those 15 credit hours, nine of the hours must come from at least three of the following four upper division Nutrition and MNT courses (NTRN 363 (Human Nutrition I), NTRN 364 (Human Nutrition II), NTRN 365 (Nutrition for the Prevention and Management of Disease: Pathophysiology [MNTI]), and NTRN 366 (Nutrition for the Prevention and Management of Disease: Pathophysiology [MNTII]).

Withdrawal and Refund of Tuition and Fees

The DPD Program adheres to the University’s policy regarding withdrawal and refund of tuition and fees can be found at: <https://case.edu/registrar/dates-deadlines/withdrawal-and-tuition-refunds>. Tuition management, payment plans, and counseling and resources can be found at: <https://case.edu/studentaccounts/billing-payments/payment-plans>.

Withdrawals and Refund Schedule: <https://case.edu/studentaccounts/tuition-fees/withdrawal-refund-schedule>

Tuition Refund Insurance: <https://case.edu/studentaccounts/tuition-fees/tuition-refund-insurance>

Program Schedule, Vacations, Holidays, and Leaves of Absence

The DPD Program adheres to the University’s Academic Calendar and Vacation and Holiday policy and schedule, which includes vacation and holidays, is available online at: <https://case.edu/registrar/dates-deadlines/academic-calendar>.

Schedule of classes/courses is available (online) at:

https://sisguest.case.edu/psc/P92SCWR/EMPLOYEE/SA/c/NUI_FRAMEWORK.PT_LANDINGPAGE.GBL.

And, <https://case.edu/registrar/registration-classes/class-search>.

CWRU – holiday schedule link: <https://case.edu/hr/worklife/university-closings-holidays>.

CWRU – Leave of absence – policy and form: <https://case.edu/ugstudies/sites/case.edu.ugstudies/files/2018-04/Request-for-Voluntary-Leave-of-Absence.pdf> and general

(http://casemed.case.edu/student_affairs/handbook/policies/additional_policies.cfm) and medical leave policy: <https://students.case.edu/wellness/medicalplan/1718/leave.html>.

Protection of Student Privacy

The DPD program follows the University’s student privacy policy/FERPA:

<https://case.edu/ugstudies/students/student-privacyferpa>. Note: FERPA is a federal law that protects the privacy of a student's academic records. Case personnel have been trained to understand these guidelines in accordance with university policy:

- Student education records are considered confidential and may not be released without the written consent of the student.
- Case community members have a responsibility and obligation to protect student education records in their possession.
- Access to student data is restricted to individuals who need this information for legitimate educational interest.

For more details about student consent and access to employment records:

<https://scholarlycommons.law.case.edu/cgi/viewcontent.cgi?referer=&httpsredir=1&article=2840&context=caselrev>

Additional Notes: All DPD student files are kept in locked file cabinets within the Nutrition Department Office at W-G48. Only Nutrition faculty and administrative staff have access to these files. The file cabinets are equipped with either a “key-lock” and/or “combination” locking system. Outer office suite doors are kept locked outside of regular working hours (typically, 8am-5pm) and whenever no other faculty or staff are on duty. Only Nutrition faculty and staff have keys to the outer doors.

Student Access to Their Academic Files

The DPD program follows the University policy regarding student access to their academic files. The following website for students contains information about registration procedures, academic records, and procedures for ordering various academic documents: <https://case.edu/registrar/general/ferpa/policy>

Student Access to Support Services, including Health Services, Counseling, Testing, and other Financial Aid Resources

The Office of Student Affairs provides leadership in the development of services and programs that enrich student life, extend and enhance the academic experience, and contribute to an environment that encourages personal growth and development. The vice president and staff administer all departments within Student Affairs and act as a liaison with other administrative offices and the faculty. The Office of Student Affairs is also a central source of information about university policies and procedures that affect students and about co-curricular services and programs.

The University’s Student Health Service and resources can be found at: <http://studentaffairs.case.edu/health/>

The University’s Student Medical [Insurance] Plan and its HIPPA privacy notice, can be found at: <http://studentaffairs.case.edu/medicalplan/>, <http://studentaffairs.case.edu/medicalplan/doc/hippanotice.pdf>

University Health and Counseling Service provides healthcare and counseling for students of Case Western Reserve University. The mission of UH&CS is to advance the well-being, development, and academic success of our diverse student body through integrated medical, mental health, and wellness services. Our interdisciplinary team includes physicians, psychiatrists, psychologists, nurse practitioners, social workers, counselors, nurses, medical assistants and for our varsity athletics, athletic trainers. See at: <https://students.case.edu/departments/wellness/>

CWRU – University Non-Discrimination Policy: <https://students.case.edu/policy/discrimination.html>

The University's Division of Student Affairs, which includes the Office of Student Affairs and links to student support services and departments (<http://studentaffairs.case.edu/division/departments.html>).

Office of Student Affairs provides leadership in the maintenance and development of services and programs that enrich student life, extend and enhance the academic experience, and contribute to an environment that encourages personal growth and development. The vice president and staff administer all departments within Student Affairs and act as a liaison with other administrative offices and the faculty. The Office of Student Affairs is also a central source of information about university policies and procedures that affect students and about co-curricular services and programs. The University's Student Health Service and resources can be found at: <http://studentaffairs.case.edu/>

CWRU Testing Services: <https://students.case.edu/academic/disability/policies/testing.html>

CWRU General Counseling home webpage: <https://students.case.edu/departments/wellness/>

Financial Aid Information

The CWRU General Bulletin includes detailed information regarding fees, expenses, financial assistance, and the university's Financial Aid Policy. It also outlines application procedures for undergraduate and graduate students. Students must be accepted to the University in full standing prior to submitting applications for financial aid. The General Bulletin can be accessed through the CWRU website.

Undergraduate Students:

University Office of Financial Aid - Tel: (216) 368-4530

The following types of assistance are available eligible students:

Loans Scholarships Work/Study Program (a federally funded program)

Post-Baccalaureate and Graduate Students:

1) University Office of Financial Aid - Tel: (216) 368-4530

a. Email: financialaid@case.edu

Loans & Work/Study Program (a federally funded program)

2) Nutrition Department

Financial assistance through the Department of Nutrition includes:

Helen Hunscher Student Loan Fund

Graduate Alumni Awards (awarded on competitive basis usually for the last semester of study)

Academy of Nutrition and Dietetics (AND):

AND makes available a variety of scholarships, and loans. Information can be obtained directly from the AND.

Address: Education and Accreditation Team, The Academy of Nutrition and Dietetics
120 South Riverside Plaza, Suite 2190, Chicago, Illinois 60606-6995
(800) 877-1600, ext. 5400 or (312) 899-0050 ext. 5400

Website: <http://www.eatright.org> E-mail: education@eatright.org

Disciplinary Action, Suspension, and Termination Procedures

Any student within the Department of Nutrition at CWRU is subject to disciplinary action if:

- The student engages in conduct that is deliberately unbecoming to the Department, a practice setting, or the Profession, or is unethical in nature; and/or
- The student engages in dishonest work as identified in the *CWRU Academic Integrity Code*.

The Code describes academic misconduct as including:

- cheating (using unauthorized materials, information, or study aids in any academic exercise or on national board examinations)
- plagiarizing (stealing or passing off ideas or work of another without crediting the source)
- falsification of records
- unauthorized possession of examinations
- intimidation and any and all other actions that may improperly affect the evaluation of academic performance or achievement
- assisting others in any of the above acts
- attempts to engage in such acts

The above guidelines also include removing books from any campus Library without checking them out, being dishonest about following Departmental policies and any other acts which involve unethical or dishonest behavior. A variety of sanctions may be imposed upon a student engaging in inappropriate acts/behaviors, including warning, censure, probation, suspension, expulsion, and/or restitution. The *CWRU Academic Integrity Policy* (<https://students.case.edu/community/conduct/aiboard/policy.html>) describes each type of sanction. Students who have received a disciplinary sanction of any kind are subject to possible dismissal pending review of the Departmental Academic Progress Committee.

Disciplinary and termination policies in this DPD Program are also as covered under the University Student Code of Conduct serves to support the overall mission and core values of Case Western Reserve University. The scope of the University Code of Conduct is behavioral expectations of all undergraduate, graduate and professional students. Case Western University expects all students to be members of the university community who respect others and are committed to personal and academic excellence. See at: <https://students.case.edu/policy/conduct/>. CWRU Policies regarding academic standing, probation, separation and readmission, and termination can be found at: <https://case.edu/ugstudies/academic-policies/academic-standing-regulations>. As also covered under the CWRU University Student Code of Conduct policy – direct link at: <https://students.case.edu/policy/conduct/doc/codeofconduct.pdf>

Complaints and Grievances Process

The DPD Program has a process has a formal policy and process guidelines for handling complaints, as also stated in the DPD Student Handbook, as follows:

Overall Complaint and Grievance Policies and Procedures: The CWRU DPD Program complies with established University policies regarding protection of student civil rights and privacy, access to student support services, and the process for student grievances. Additional information regarding these policies and procedures can be found in the CWRU General Bulletin. As also covered under the CWRU University Student Code of Conduct policy – direct link at: <https://students.case.edu/policy/conduct/doc/codeofconduct.pdf>. CWRU

University grievance policy and instructions:

<https://students.case.edu/policy/conduct/judicial/university/informal.html>

DPD Student Complaint Submissions: Students in the DPD program who have complaints regarding specific issues relating to the DPD program may send their complaint to the DPD Director, the Nutrition Department Chair (<https://case.edu/medicine/nutrition/>), the Office of the University Provost (<https://case.edu/provost/about>), or ACEND (<https://www.eatrightpro.org/acend>). If the student submits the complaint or grievance to the DPD Director and the director and student are unable to resolve the complaint, the complaint will then be forwarded to the Nutrition Department Chair, and subsequently to the University Provost, and ACEND, if necessary.

Complaints about DPD Program: The Accreditation Council for Education in Nutrition and Dietetics (ACEND) has established a process for reviewing complaints against accredited programs in order to fulfill its public responsibility for assuring the quality and integrity of the educational programs that it accredits. Any individual, for example, student, faculty, dietetics practitioner and/or member of the public may submit a complaint against any accredited program to ACEND. However, the ACEND board does not intervene on behalf of individuals or act as a court of appeal for individuals in matters of admissions, appointment, promotion or dismissals of faculty or students. It acts only upon a signed allegation that the program may not be in compliance with the Accreditation Standards or policies. The complaint must be signed by the complainant. Anonymous complaints are not considered. A copy of the accreditation standards and ACEND's policy and procedure for submission of complaints may be obtained by contacting the ACEND Education and Accreditation staff at the Academy of Nutrition and Dietetics at 120 S. Riverside Plaza, Suite 2190, Chicago, Illinois 60606, by calling 1-800-877-1600 extension 5400, emailing acend@eatright.org, or on the ACEND website at: <https://www.eatrightpro.org/acend/public-notices-and-announcements/filing-a-complaint-with-acend>.

THE PROFESSION OF DIETETICS

(Academy of Nutrition and Dietetics)

1. **Clinical:** provide a medical nutrition therapy services to patients in hospitals, clinics, managed care organizations, nursing homes, and home health care. Specialization within clinical practice is possible (eg., diabetes care, renal disease, neonatal/pediatric, etc).
2. **Community Nutrition:** practice within public health settings to include international organizations, government agencies (federal, state, local), community-sponsored agencies, and private or volunteer organizations. Dietitians in these settings may provide direct service to individuals or groups, or may be involved in policy development, program planning, etc. for the benefit of the public.
3. **Foodservice Management:** supervise food preparation and service for large groups in settings such as hospitals, nursing homes, schools, colleges and universities, restaurants, the military or correctional facilities. Resource management, employee training, and food safety are critical functions for which these dietitians are responsible.
4. **Business and Industry:** communications media, product development, marketing, public relations.
5. **Consultants:** manage their own practices, or contract their services to Health care facilities. Clients may be athletes, individuals attempting weight Loss programs, private physician referrals, corporate wellness programs, etc.
6. **Research:** conduct research in academic settings, medical centers, food and pharmaceutical companies, government agencies. Investigators can conduct “bench research” and metabolic studies in laboratory settings, or study clinical interventions in humans.
7. **Education:** teach in universities, colleges, technical schools/programs, and dietetic internships. Teaching opportunities are available in medical schools, nursing schools, and dental schools.

PATHWAY TO CREDENTIALING AND PROFESSIONAL PRACTICE

IN DIETETICS

The Commission on Dietetic Registration (CDR) is the credentialing arm of AND.

CDR's website is linked through AND: <https://www.eatrightpro.org/about-us/what-is-an-rdn-and-dtr/what-is-a-registered-dietitian-nutritionist/credentialing-of-rdns-and-ndtrs>

OR

via: <https://www.cdrnet.org> (includes both the **RDN** and the **NDTR Pathway III**; which is an option to take the NDTR (Nutrition and Dietetic Technician, Registered) once completing the DPD.

Common Terms and definitions/Requirements:

1. "ACEND-Required Core Knowledge and Competencies"
 - a) academic degree: minimum of Baccalaureate Degree or equivalent
 - b) verification of the completion of US accredited Didactic Program in Dietetics
2. "Performance Requirements"

Supervised practice experiences in a DI program accredited by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics
3. Successful completion of the national registration examination from the "Commission on Dietetic Registration" (CDR), allowing the designation, "Registered Dietitian Nutritionist" (RDN).
4. "Licensure"

Licensure is regulated at the state level, in those states having such legislation. The majority of states currently require licensure of dietitians.
5. "Continuing Education"

Required for maintaining professional registration (RDN status), and for updating/expanding practitioner knowledge and skills.

Appendix A

Case Western Reserve University (CWRU) Didactic Program in Dietetics (DPD) - Application Form

Reviewed/Updated Fall 2019

Dear Student,

We appreciate your interest in the DPD program. Please provide the information requested below. Students who meet the following criteria will be admitted into the DPD Program:

- 1) Grade of B or above in NTRN 201.
- 2) Grade of C or above in BIOL 214, and CHEM 105 and 106.
- 3) Overall cumulative GPA of at least 3.2 at the time of application.

**No other factors are used. These requirements were based on an in-depth review conducted by the DPD Director, the DPD Advisory Board, and Nutrition Department faculty regarding student academic success and subsequent performance data and thus, the grade and course requirement (and/or the equivalents), along with the minimum overall and DPD GPA entrance and maintenance requirements, were carefully instituted. Students who do not meet these criteria, have the option of retaking one or more of the required courses, then reapply for admission into the DPD. Once admitted, students are required to maintain an Overall and DPD GPA of at least 3.2 and 3.4, respectively, to maintain DPD student "active" status. The DPD Director notifies students of formal admission into the DPD Program. If active DPD students fail to maintain the overall and DPD GPA requirements during any one semester, the student will be notified before the beginning of the following semester that based on one or both GPAs they are therefore considered to be "inactive" in terms of DPD status. Any of these students will be provided additional educational guidance and advising, which may include suggestions for retaking courses to enhance and strengthen GPA(s) in order to regain "active" DPD status. Such students will also be provided with major and career planning and counseling, including future career options.*

If you already have a baccalaureate degree and are interested in completing the DPD concurrent with a graduate degree in the Department of Nutrition, please provide the DPD Director with a copy of your college transcripts. The Director will note your performance in any equivalent courses and provide you with instructions as a prospective DPD student.

Student Information:

Student Name: _____ Email: _____
CWRU 7-digit ID#: _____

Major Information:

Year entered CASE: _____ Anticipated Graduation Date: _____
Department of Nutrition: Major program: _____ Major Advisor: _____

Course Prerequisites and Performance:

(Please list semester/year completed and grade)

NTRN 201: _____ / _____ (Grade = _____)
BIOL 214: _____ / _____ (Grade = _____)
CHEM 105: _____ / _____ (Grade = _____)
CHEM 106: _____ / _____ (Grade = _____)

- Overall cumulative GPA: _____

Please attach copy of your transcripts, showing above courses.

Appendix B

AND Code of Ethics

Code of Ethics for the Profession of Dietetics as published in the June 1, 2018 Journal of The Academy of Nutrition and Dietetics



Code of Ethics for the Nutrition and Dietetics Profession

Effective Date: June 1, 2018



Preamble:

When providing services the nutrition and dietetics practitioner adheres to the core values of customer focus, integrity, innovation, social responsibility, and diversity. Science-based decisions, derived from the best available research and evidence, are the underpinnings of ethical conduct and practice.

This Code applies to nutrition and dietetics practitioners who act in a wide variety of capacities, provides general principles and specific ethical standards for situations frequently encountered in daily practice. The primary goal is the protection of the individuals, groups, organizations, communities, or populations with whom the practitioner works and interacts.

The nutrition and dietetics practitioner supports and promotes high standards of professional practice, accepting the obligation to protect clients, the public and the profession; upholds the Academy of Nutrition and Dietetics (Academy) and its credentialing agency the Commission on Dietetic Registration (CDR) Code of Ethics for the Nutrition and Dietetics Profession; and shall report perceived violations of the Code through established processes.

The Academy/CDR Code of Ethics for the Nutrition and Dietetics Profession establishes the principles and ethical standards that underlie the nutrition and dietetics practitioner's roles and conduct. All individuals to whom the Code applies are referred to as "nutrition and dietetics practitioners". By accepting membership in the Academy and/or accepting and maintaining CDR credentials, all nutrition and dietetics practitioners agree to abide by the Code.

Principles and Standards:

1. Competence and professional development in practice (Non-maleficence)

Nutrition and dietetics practitioners shall:

- a. Practice using an evidence-based approach within areas of competence, continuously develop and enhance expertise, and recognize limitations.
- b. Demonstrate in depth scientific knowledge of food, human nutrition and behavior.
- c. Assess the validity and applicability of scientific evidence without personal bias.
- d. Interpret, apply, participate in and/or generate research to enhance practice, innovation, and discovery.
- e. Make evidence-based practice decisions, taking into account the unique values and circumstances of the patient/client and community, in combination with the practitioner's expertise and judgment.
- f. Recognize and exercise professional judgment within the limits of individual qualifications and collaborate with others, seek counsel, and make referrals as appropriate.
- g. Act in a caring and respectful manner, mindful of individual differences, cultural, and ethnic diversity.
- h. Practice within the limits of their scope and collaborate with the inter-professional team.

2. Integrity in personal and organizational behaviors and practices (Autonomy)

Nutrition and dietetics practitioners shall:

- a. Disclose any conflicts of interest, including any financial interests in products or services that are recommended. Refrain from accepting gifts or services which potentially influence or which may give the appearance of influencing professional judgment.
- b. Comply with all applicable laws and regulations, including obtaining/maintaining a state license or certification if engaged in practice governed by nutrition and dietetics statutes.
- c. Maintain and appropriately use credentials.
- d. Respect intellectual property rights, including citation and recognition of the ideas and work of others, regardless of the medium (e.g. written, oral, electronic).
- e. Provide accurate and truthful information in all communications.
- f. Report inappropriate behavior or treatment of a patient/client by another nutrition and dietetics practitioner or other professionals.
- g. Document, code and bill to most accurately reflect the character and extent of delivered services.
- h. Respect patient/client's autonomy. Safeguard patient/client confidentiality according to current regulations and laws.
- i. Implement appropriate measures to protect personal health information using appropriate techniques (e.g., encryption).

3. Professionalism (Beneficence)

Nutrition and dietetics practitioners shall:

- a. Participate in and contribute to decisions that affect the well-being of patients/clients.
- b. Respect the values, rights, knowledge, and skills of colleagues and other professionals.
- c. Demonstrate respect, constructive dialogue, civility and professionalism in all communications, including social media.
- d. Refrain from communicating false, fraudulent, deceptive, misleading, disparaging or unfair statements or claims.
- e. Uphold professional boundaries and refrain from romantic relationships with any patients/clients, surrogates, supervisees, or students.
- f. Refrain from verbal/physical/emotional/sexual harassment.
- g. Provide objective evaluations of performance for employees, coworkers, and students and candidates for employment, professional association memberships, awards, or scholarships, making all reasonable efforts to avoid bias in the professional evaluation of others.
- h. Communicate at an appropriate level to promote health literacy.
- i. Contribute to the advancement and competence of others, including colleagues, students, and the public.

4. Social responsibility for local, regional, national, global nutrition and well-being (Justice)

Nutrition and dietetics practitioners shall:

- a. Collaborate with others to reduce health disparities and protect human rights.
- b. Promote fairness and objectivity with fair and equitable treatment.
- c. Contribute time and expertise to activities that promote respect, integrity, and competence of the profession.
- d. Promote the unique role of nutrition and dietetics practitioners.
- e. Engage in service that benefits the community and to enhance the public's trust in the profession.
- f. Seek leadership opportunities in professional, community, and service organizations to enhance health and nutritional status while protecting the public.

Glossary of Terms:

Autonomy: ensures a patient, client, or professional has the capacity and self-determination to engage in individual decision-making specific to personal health or practice.¹

Beneficence: encompasses taking positive steps to benefit others, which includes balancing benefit and risk.¹

Competence: a principle of professional practice, identifying the ability of the provider to administer safe and reliable services on a consistent basis.²

Conflict(s) of Interest(s): defined as a personal or financial interest or a duty to another party which may prevent a person from acting in the best interests of the intended beneficiary, including simultaneous membership on boards with potentially conflicting interests related to the profession, members or the public.²

Customer: any client, patient, resident, participant, student, consumer, individual/person, group, population, or organization to which the nutrition and dietetics practitioner provides service.³

Diversity: “The Academy values and respects the diverse viewpoints and individual differences of all people. The Academy’s mission and vision are most effectively realized through the promotion of a diverse membership that reflects cultural, ethnic, gender, racial, religious, sexual orientation, socioeconomic, geographical, political, educational, experiential and philosophical characteristics of the public it services. The Academy actively identifies and offers opportunities to individuals with varied skills, talents, abilities, ideas, disabilities, backgrounds and practice expertise.”⁴

Evidence-based Practice: Evidence-based practice is an approach to health care wherein health practitioners use the best evidence possible, i.e., the most appropriate information available, to make decisions for individuals, groups and populations. Evidence-based practice values, enhances and builds on clinical expertise, knowledge of disease mechanisms, and pathophysiology. It involves complex and conscientious decision-making based not only on the available evidence but also on client characteristics, situations, and preferences. It recognizes that health care is individualized and ever changing and involves uncertainties and probabilities. Evidence-based practice incorporates successful strategies that improve client outcomes and are derived from various sources of evidence including research, national guidelines, policies, consensus statements, systematic analysis of clinical experience, quality improvement data, specialized knowledge and skills of experts.²

Justice (social justice): supports fair, equitable, and appropriate treatment for individuals¹ and fair allocation of resources.

Non-Maleficence: is the intent to not inflict harm.¹

References:

1. Fornari A. Approaches to ethical decision-making. *J Acad Nutr Diet.* 2015;115(1):119-121.
2. Academy of Nutrition and Dietetics Definition of Terms List. June, 2017 (Approved by Definition of Terms Workgroup Quality Management Committee May 16, 2017). Accessed October 11, 2017.
<http://www.eatrightpro.org/~media/eatrightpro%20files/practice/scope%20standards%20of%20practice/academydefinitionoftermslist.ashx>
3. Academy of Nutrition and Dietetics: Revised 2017 Standards of Practice in Nutrition Care and Standards of Professional Performance for Registered Dietitian Nutritionists. *J Acad Nutr Diet.* 2018; 118: 132-140.
4. Academy of Nutrition and Dietetics “Diversity Philosophy Statement” (adopted by the House of Delegates and Board of Directors in 1995).

You may also access the AND Code of Ethics online at:

<https://www.eatrightpro.org/~media/eatrightpro-files/career/code-of-ethics/coeforthenutritionanddieteticsprofession.pdf?la=en&hash=0C9D1622C51782F12A0D6004A28CDAC0CE99A032>

Appendix C

Undergraduate Major/Degree Requirements

NUTRITION (NTRN)

Major (for B.A.) **Hours: 48-50**

- A. Required Nutrition Courses (20 hours): NTRN 201, 342 and 342L (concurrently), 343, 363, 364
- B. Required Nutrition Department Seminar/SAGES Capstone Courses (6 hours): NTRN 397, 398
- C. Nutrition Electives (6 hours): Two courses from NTRN 328, 340, 341, 351, 360, 365, 366, 388, 390, 435, 437, 440, 452, 454, 455, 460
- D. Additional Required Courses (20-22 hours): BIOG 307, BIOL 214, BIOL 216 or 340 and 346, and one BIOL Lab, CHEM 105, 106, 223

Major (for B.S.) **Hours required for graduation: 120**

- A. Required Nutrition Courses (20 hours): NTRN 201, 342 and 342L (concurrently), 343, 363, 364
- B. Required Nutrition Department Seminar/SAGES Capstone Courses (6 hours): NTRN 397, 398
- C. Nutrition Electives (9-10 hours): Three courses from NTRN 328, 340, 341, 351, 360, 365, 366, 371, 388, 390, 435, 437, 440, 452, 454, 455, 460
- D. Additional Required Courses (25-27 hours): BIOG 307, BIOL 214, BIOL 216 or 340 and 346; and one BIOL Lab.
- E. CHEM 105, 106, 113, CHEM 223 (before NTRN 363); One course from STAT 201, 243, 312, 313, PQHS 431, ANTH 319, PSCL 282

Minor **Hours required: 15**

NTRN 201, 343 and depending on the student's interest and preparation, nine hours selected from:
NTRN 328, 340, 341, 342, 351, 360, 363, 364, 365, 366, 388, 435, 437, 440, 452, 454, 455, 460

NUTRITIONAL BIOCHEMISTRY AND METABOLISM (NBM)

Major (for B.A.) Hours: 78-79

- A. Nutrition courses (25 hours)
 - 1. NTRN 201, 363, 364, and 452
 - 2. Required Nutrition Department Seminars/SAGES Capstone Courses (6 hours): NTRN 397, 398
 - 3. Nutrition Elective: Three hours at 300-level or above
- B. Additional required courses (53-54 hours)
BIOC 307, 334, BIOL 214, 215, BIOL 216 or 340 and 346; and one BIOL Lab, CHEM 105, 106, 113, 223 (or 323), 224 (or 324), 233, 234, MATH 125, 126 (or 121, 122), PHYS 115, 116 or equivalent

Major (for B.S.) Hours required for graduation: 125

- A. Nutrition courses (25 hours)
 - 1. NTRN 201, 363, 364, and 452
 - 2. Required Nutrition Department Seminar/SAGES Capstone Courses (6 hours):
NTRN 397, 398
 - 3. Nutrition Elective: 3 hours at 300-level or above
- B. Additional required courses (73 hours)
BIOC 307, 334, BIOL 214, 215, BIOL 216 or 340 and 346, and one BIOL Lab, CHEM 105, 106, 113, 223 (or 323), 233, 224 (or 324), 234, ENGR 131, MATH 121 (or 123), 122 (or 124), 223 (or 227), 224 (or 228), PHYS 121 (or 123) and 122 (or 124), 221 (or 223)

DIDACTIC PROGRAM IN DIETETICS (DPD)

Students interested in a career as a dietetic professional are required to complete the Didactic Program in Dietetics (DPD), which can be completed concurrently within any degree program in Nutrition: Students wishing to meet eligibility for dietetic registration should consult with Professor James Swain, School of Medicine, Nutrition Department, room W-G48, tel: 368-2440, email: james.swain@case.edu. The following courses must be included in the program:

DPD COURSES – EX. UNDERGRADUATE:

- BIOC 307/407 or 405
- BIOL 216 (or 340 and 346)
- BIOL 343
- CHEM 223
- UGER Experience Portfolio
- NTRN 201, 337/447, 342 and 342L (concurrently), 343, 351/451, 363/433, 364/434, 365, and 350
- NTRN Electives (2)
- SOCI 101
- ANTH 215 or SOCI 311
- *One of following courses:* STAT 201, 243, 312, 313, PQHS 431, ANTH 319, or PSCL 282'

ACEND Information and Contact Details:

The Didactic Program in Dietetics at Case Western Reserve University is accredited* by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), the accrediting body of the Academy of Nutrition and Dietetics (AND).

ACEND® can be contacted by:

- **Email:** ACEND@eatright.org
- **Phone:** 800/877-1600, ext. 5400
- **Mail:** 120 South Riverside Plaza
Suite 2190, Chicago, IL 60606-6995

**Accreditation by ACEND ensures that graduates can apply for Dietetic Internships which lead to eligibility to earn Registered Dietitian Nutritionist (RDN) status.*

Appendix D

Examples of DPD Integrated - Sample Schedules for NTRN and NBM – BA and BS:

NOTE: Description of Program Length and Schedules: The DPD program is designed to be completed within two years – either the last two years of any undergraduate program or within two years as graduate (Master's) student. Students are considered “active DPD” students once they apply to and are admitted into the DPD program, which may be done once specific science courses and the initial nutrition course (NTRN 201) are completed, and an overall and DPD related GPAs are achieved, which typically means that the vast majority of students apply at the beginning of their junior year, and are this within the program, in active status, and complete the program within 2-3 years.

NTRN Major (for B.A.) Hours: 48-50

- A. Required Nutrition Courses (20 hours): NTRN 201, 342 and 342L (concurrently), 343, 363, 364
- B. Required Nutrition Department Seminar/SAGES Capstone Courses (6 hours): NTRN 397, 398
- C. Nutrition Electives (6 hours): Two courses from NTRN 328, 340, 341, 351, 360, 365, 366, 388, 390, 435, 437, 440, 452, 454, 455, 460
- D. Additional Required Courses (20-22 hours): BIOC 307, BIOL 214, BIOL 216 or 340 and 346, and one BIOL lab, CHEM 105, 106, 223

SAMPLE SCHEDULE FOR BA-NTRN, INCLUDING DPD COURSES*:

FRESHMAN YEAR

FALL:

CHEM 105
NTRN 201
SAGES 1st Seminar
PHED 101

SPRING:

CHEM 106
BIOL 214
PHED 102

SOPHOMORE YEAR

FALL:

ANTH 215
NTRN 342
CHEM 223
SAGES Univ. Seminar

SPRING:

BIOL 216+216L
NTRN 337 and 343
SAGES Univ. Seminar
STAT 201

JUNIOR YEAR

FALL:

BIOC 307

SPRING:

NTRN 350
SOCI 101

BIOL 343
NTRN 397

NTRN 351 (DPD and counts as
Nutrition elective - 1)

SENIOR YEAR

FALL:

UGER Experience Portfolio
NTRN 363
NTRN 398

SPRING:

NTRN 364
NTRN 365 (DPD and counts as
Nutrition elective)

*Add NTRN Electives (2) – to DPD

Major (for B.S.) Hours required for graduation: 120

- A. Required Nutrition Courses (20 hours): NTRN 201, 342 and 342L (concurrently), 343, 363, 364
- B. Required Nutrition Department Seminar/SAGES Capstone Courses (6 hours): NTRN 397, 398
- C. Nutrition Electives (9-10 hours): Three courses from NTRN 328, 340, 341, 351, 360, 365, 366, 371, 388, 390, 435, 437, 440, 452, 454, 455, 460
- D. Additional Required Courses (25-27 hours): BIOC 307, BIOL 214, BIOL 216 or 340 and 346, and one BIOL lab, CHEM 105, 106, 113, CHEM 223 (before NTRN 363); One course from STAT 201, 243, 312, 313, PQHS 431, ANTH 319, PSCL 282

SAMPLE SCHEDULE FOR BS-NTRN, INCLUDING DPD COURSES:

FRESHMAN YEAR

FALL:

CHEM 105
NTRN 201
SAGES 1st Seminar
PHED 101

SPRING:

CHEM 106
CHEM 113
BIOL 214
PHED 102

SOPHOMORE YEAR

FALL:

ANTH 215
NTRN 342
CHEM 223
SAGES Univ. Seminar

SPRING:

BIOL 216+216L
NTRN 337 and 343
SAGES Univ. Seminar
STAT 201

JUNIOR YEAR

FALL:

BIOC 307

SPRING:

NTRN 350
SOCI 101

BIOL 343
NTRN 397
NTN 351 (DPD and counts as
Nutrition elective)

SENIOR YEAR

FALL:

UGER Experience Portfolio
NTRN363
NTRN 398

SPRING:

NTRN elective (DPD and counts
as Nutrition elective - 2)
NTRN 364
NTRN 365 (this DPD course may
count as a Nutrition elective)

*Add NTRN Electives (2) to DPD

NBM Major (for B.A.) Hours: 78-79

A. Nutrition courses (25 hours)

1. NTRN 201, 363, 364, and 452
2. Required Nutrition Department Seminars/SAGES Capstone Courses (6 hours): NTRN 397, 398
3. Nutrition Elective: Three hours at 300-level or above

B. Additional required courses (53-54 hours)

BIOL 207 (or 3342), BIOL 214 (or 215), BIOL 234, MATH 125, 346 and one of BIOL, PH, CHEM, 106, or 106, equivalent

SAMPLE SCHEDULE FOR BA-NBM, INCLUDING DPD COURSES:

FRESHMAN YEAR

FALL:

CHEM 105
NTRN 201
MATH 125
SAGES 1st Seminar
PHED 101

SPRING:

CHEM 106
CHEM 113
BIOL 214
MATH 126
PHED 102

SOPHOMORE YEAR

FALL:

ANTH 215
BIOL 215

CHEM 223
CHEM 233

SAGES Univ. Seminar
BIOL 216+216L
CHEM 224
CHEM 234

NTRN 337 and 343
SAGES Univ. Seminar
STAT 201

JUNIOR YEAR

FALL:
BIOC 307
NTRN 350
PHYS 115
SOC 101.

Spring: BIOL 343
NTRN 397
NTN 351 (DPD and counts as
Nutrition elective - 1)
PHYS 116

SENIOR YEAR

FALL:

BIOC 334
UGER Experience Portfolio

NTRN 363
NTRN 398
NTRN 452

SPRING:

NTRN elective (DPD and counts as
Nutrition major elective - 2)
NTRN 364, 365 (365 can count as a
Nutrition Elective)

*Add NTRN Electives (2) – to DPD

Major (for B.S.) Hours required for graduation: 125

A. Nutrition courses (25 hours)

1. NTRN 201, 363, 364, and 452
2. Required Nutrition Department Seminar/SAGES Capstone Courses (6 hours):
NTRN 397, 398
Nutrition Elective: 3 hours at 300-level or above

B. Additional required courses (73 hours)

BIOC 307, 334, BIOL 214, 215, BIOL 216 or 340 and 346, and one BIOL lab, CHEM 105, 106, 113, 223 (or 323), 233, 224 (or 324), 234, ENGR 131, MATH 121 (or 123), 122 (or 124), 223 (or 227), 224 (or 228), PHYS 121 (or 123) and 122 (or 124), 221 (or 223)

SAMPLE SCHEDULE FOR BS-NBM, INCLUDING DPD COURSES:

FRESHMAN YEAR

FALL:

CHEM 105
NTRN 201
MATH 125
SAGES 1st Seminar

ENGR 131
PHED 101

SPRING:

CHEM 106
CHEM 113

BIOL 214
MATH 126

PHED 102

SOPHOMORE YEAR

FALL:

ANTH 215
BIOL 215
CHEM 223
CHEM 233

SAGES Univ. Seminar

SPRING:

BIOL 216+216L
CHEM 224
CHEM 234
NTRN 337 and 343
SAGES Univ. Seminar
STAT 201

JUNIOR YEAR

FALL:

BIOC 307
NTRN 350
MATH 223
PHYS 121
SOC 101

SPRING: BIOL 343

MATH 224
NTRN 397
NTN 351 (DPD and counts as
Nutrition elective - 1)
PHYS 122

SENIOR YEAR

FALL:

BIOC 334
UGER Experience Portfolio
NTRN 363
NTRN 398
NTRN 452

SPRING:

NTRN 364
NTRN 365 - (Can count
as Nutrition Elective - 3)
PHYS 221

Appendix E

Student Acknowledgement and Signature Page

I have read and comprehend the information regarding the DPD program requirements presented in the CWRU DPD Student Handbook. I agree to abide by the policies and procedures set forth in this Handbook.

DPD Student's Signature

Date

DPD Director

Date