

Department of Nutrition

Undergraduate Student Handbook 2024 - 2025



TEXAS A&M UNIVERSITY

Nutrition

<http://nutrition.tamu.edu>

This handbook provides information about course requirements, scheduling, and recommendations for two track options in nutrition. For up-to-date information on additional courses, admission, B.S. degree requirements, scholastic deficiency, financial aid, and other topics not addressed in full detail in this handbook refer to the Texas A&M University Undergraduate Catalog and Texas A&M University Rules and Regulations. Students are expected to comply with all policies and procedures set forth by Texas A&M University, and all affiliating institutions. Access to the Texas A&M University Undergraduate Catalog may be obtained at:

<http://catalog.tamu.edu>

***This link will lead you to the main Texas A&M University Catalog page.
Your catalog is the 2024-2025 Undergraduate Catalog.***

NUTRITION

Welcome to Nutrition! You are entering a rapidly growing and exciting field that allows you to build a strong background for many career opportunities such as dietetics, nutrition research, medicine, nursing, dentistry, pharmacy, physician assistant, public health, or the food industry. The Department of Nutrition offers undergraduate programs in Nutritional with tracks in Human Health and Didactic Program in Dietetics. Additionally, a Certificate in Culinary Health is available and students can earn a Minor in Nutrition while obtaining the pre-requisites to enter the Bachelor of Science in Nursing at Texas A&M University.

For Nutrition advising, contact:

Evelyn Quinones
Academic Advisor IV
E-mail: evelyn.quinones@ag.tamu.edu

SUBSCRIPTION TO NUTRITION LISTSERV

Advisors use the Nutritional Science ListServ to send emails to our students to communicate job opportunities, scholarships, internships, and other relevant information.

You can join the list by sending an e-mail to listserv@listserv.tamu.edu and in the BODY put

SUBSCRIBE nusc firstname lastname
Example: SUBSCRIBE nusc Rock T Aggie

You can remove your name from the list by sending an e-mail to listserv@listserv.tamu.edu and in the BODY put UNSUB nusc

NOTES:

ADVISING INFORMATION

Catalog Requirements

You are responsible for following the degree plan from the catalog in effect when you entered Texas A&M. For example, if you begin in the Department of Nutrition as a freshman or transfer student in the Fall of 2024 you will follow the Fall 2024 catalog for the duration of your time at Texas A&M. To prevent taking courses that do not meet current requirements, students should check with their advisors before selecting electives, including courses that meet the requirements of the Core Curriculum.

Registration

Advising help sessions are scheduled by appointment the month before pre-registration begins. This is a good opportunity to visit with an advisor to discuss your schedule. If you are a continuing student in good standing, you are expected to pre-register. **If you are on scholastic probation, you will be blocked from registration until you meet with an advisor.** Please call 845-2142 for more information. Registration is completed by going to howdy.tamu.edu and following the instructions.

Add/Drop, Withdrawal

The schedule for adding and dropping is listed online at howdy.tamu.edu. The policy for add/drop and withdrawal is in the current Undergraduate Catalog. The withdrawal process is done in the Dean's Office of the College of Agriculture and Life Sciences in AGLS 515.

Scholastic Deficiency

You are responsible for knowing and abiding by probation and block procedures and requirements:

- ❖ Should your GPR drop below 2.0 you will be notified of:
 - Placement on scholastic probation and placement of block from registration – must meet with major advisor to have block removed.
- ❖ A probation agreement will be signed with an advisor that describes the terms of your probation.
- ❖ Failure to meet this agreement will result in being blocked from registration and notification of procedures for withdrawal from Texas A&M University.

NOTES:



Scholastic Probation Agreement

Year: _____ Spring Summer Fall

Student Name: _____

UIN: _____

Major _____

Concentration: _____

Email Address: _____

Phone: _____

Students placed on scholastic probation (GPR below 2.0) in the Department of Nutrition and Food Science must agree to the following conditions and expectations outlined in this document.

I understand that while on scholastic probation, I:

- Have been granted two semesters to clear probation, and I must meet the conditions of my first probation agreement to be allowed to continue to the second semester.

Current GPR: _____ Current Grade Point Deficiency: _____

Must make up _____ points during the _____ semester.

- Must be a full time student and take courses recommended by my advisor.

- Must complete Success Program through the Academic Success Center by the end of the semester of probation. Certification will need to be presented to an academic advisor. Date of *mandatory* Success Program meeting: _____
- Must commit to attend every class as scheduled. If I am absent for school activities and/or personal issues, I am to meet with my course instructors to make up any missed work.
- Will change the habits that prevented me from being unsuccessful last semester (ie. work hours, social activities, attendance, study skills, etc.).
- Will contact a NUTR Advisor immediately if extenuating circumstances arise which may affect my final grades, course registration, or enrollment status.
- Understand that while on probation, my future course registrations will be blocked until I meet with a NUTR Advisor to review my progress and update the Scholastic Probation Agreement.

I understand that failure to meet the terms of this agreement will result in dismissal. The Department of Nutrition does not readmit students once dismissed or those who transfer to another program while on probation. I agree to these terms of probation.

Student Signature

Date

Advisor Signature

Date

Department Head or Academic Designate

Date

1. Student Registration

1.5 Curriculum Violation: Degree-Seeking Graduate and Undergraduate Students

1.5.1 A student is expected to register for a schedule of courses that follows the program of study for a degree in his or her college. A student who elects not to follow the program of study must obtain approval from his or her academic advisor, department head, or college Dean or designee, and the Dean or designee of the college offering the courses. A student who fails to obtain approval may be, by his or her Dean or designee, blocked from registration, removed from the inappropriate course(s) and/or required to register for a prescribed schedule of courses.

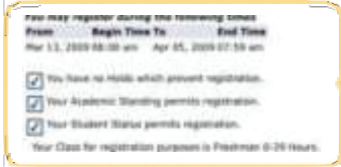


How to Register (Add/Drop) Classes

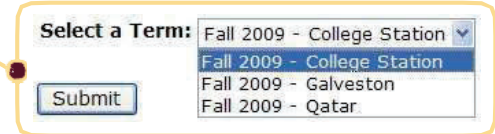
1. On the **My Record** tab, click the **Registration Status** link in the **Registration** channel.
2. Highlight your term and campus and click **Submit**.
3. Confirm that all boxes are checked to proceed with registration.



Note: These links can be used out of the sequence listed in order to add or drop classes.



4. Scroll to the bottom of the screen and click **Add or Drop Classes**. If the top box is unchecked, click **View Holds** inside the yellow box. If any of the other two boxes are unchecked, call the **Registration Help Desk**.
5. Read the **Terms of Use** and click **I Agree**.



Note: You must do this once for every term that you register.

6. Choose one of two options:
 - If you know the Course Reference Numbers (CRNs) of the classes you wish to take, enter them into the **Add Classes Worksheet** and then click **Submit Changes**. The classes will be added to your schedule unless they are full or you are not allowed to take them.
 - If you do not know the CRNs of the classes you want, click **New Search**.

Warning: If you click **Add to Worksheet**, the class is **NOT** added to your schedule, but is added to a temporary worksheet. Once you are finished adding to the worksheet, you can add the classes to your schedule; however, the worksheet will not be saved once you log out. Please write down the CRNs before logging out.

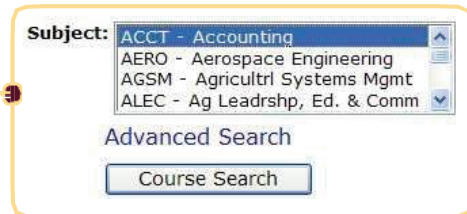
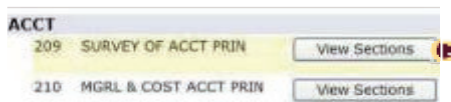
How to Register (Add/Drop) Classes Continued

7. To conduct a search choose one of the options below:

A. Conducting A Basic Search

To conduct a basic search, choose the subject of the class for which you are looking and click **Course Search**.

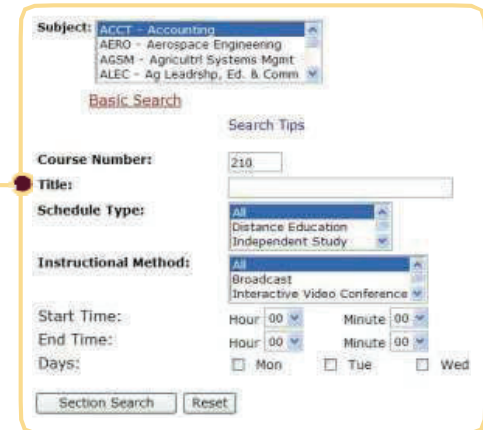
Note: This will display all the courses for the selected **Subject**. From here you can view all the sections for a specific course by clicking **View Sections**.



B. Conducting An Advanced Search

To narrow the search results further, click on **Advanced Search** and enter more information into the search fields. Then, click **Section Search**.

QUICK TIP: You must always choose a subject before you can search. You can quickly find an item in a scroll box by typing the name of the subject for which you are searching. For example, if you want to find a marketing course, start typing "MKTG" while you have a word selected inside the subject box. It will quickly take you to that subject so you do not have to scroll through all of the other subjects. This works in all of the scroll boxes. For more tips, click Search Tips found under Advanced Search.





How to Register (Add/Drop) Classes Continued

- Once you find the class, click the blue **Course Reference Number (CRN)** to find out more information.
- Click on the course title to see registration restrictions for the class. Click **Return to Previous** to get back to the list of classes, or click **New Search** to start a new search from scratch.
- Check the box to the left of the class you want to add. Then, click . The class will be added to your schedule unless it is full or you are restricted from taking it.

ACCT - Accounting					
Select	CRN	Subj	Crse	Sec	Cmp Crd
<input checked="" type="checkbox"/>	10003	ACCT	210	501 CS	3

Sections Found

MGR & COST ACCT PRIN - 10003 - ACCT 210 - 501

NON-BUSINESS, NON-AGRIBUSINESS MAJORS ONLY. COMMON

Associated Term: Fall 2009 - College Station

Registration Dates: Apr 16, 2009 to Dec 04, 2009

Levels: Graduate, Undergraduate

Instructors: Douglas McMullan (P)

College Station Campus
Lecture Schedule Type
Traditional, Face-to-Face Instructional Method
3.000 Credits

Scheduled Meeting Times

Type	Time	Days	Where
Lecture	8:00 am - 9:15 am	TR	Wehner - College of Business

[Return to Previous](#) [New Search](#)

ACCT - Accounting					
Select	CRN	Subj	Crse	Sec	Cmp Crd
<input checked="" type="checkbox"/>	10003	ACCT	210	501 CS	3

Common Registration Errors

- Class Limit Restriction** – The Course is Full.
- Major Restriction** - You have to be a particular major to take the course.
- Department Restriction** – You have to be in a particular department to take the course.
- TSI Status Restriction** – You have to meet specific testing requirements to take the course.
- Time conflict with CRN ###** – The course overlaps with another course on your schedule.

Help

If you have questions during the registration process, please contact the **Registration Help Desk**, Monday through Friday, 8 a.m. to 5 p.m. at **979.845.7117**.



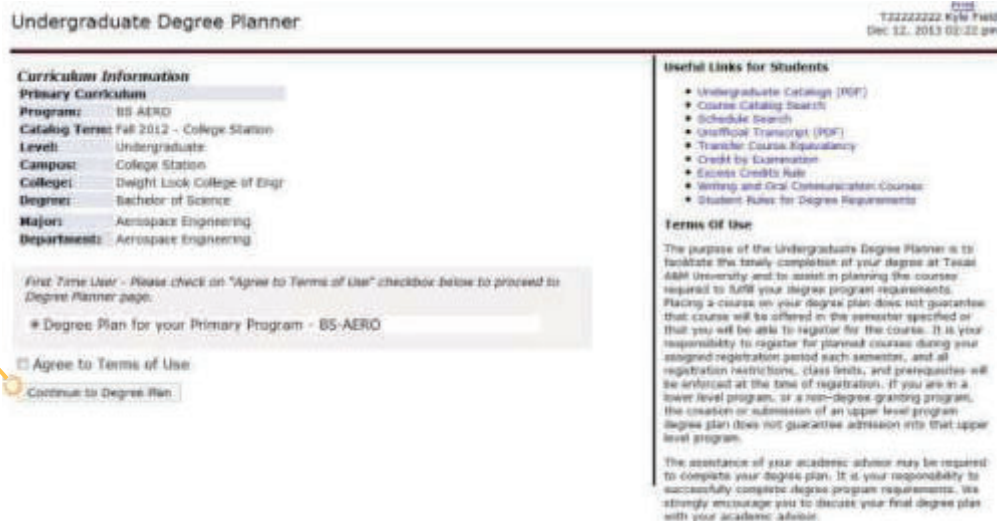
Undergraduate Degree Planner Student Guide

What is the Degree Planner?

The Undergraduate Degree Planner is a course planning tool designed to facilitate the timely completion of your degree at Texas A&M University and to assist in planning the courses required to fulfill your degree program requirements. To start using the Degree Planner, log into Howdy, click on the **My Record** tab, and find the **Undergraduate Degree Planner** channel on the right column.

Accessing the Undergraduate Degree Planner:

1. Click on the **Undergraduate Degree Planner** link to view your **Curriculum Information** screen.
2. The first time you use the Degree Planner you will need to agree to the terms of use. Click the **Continue to Degree Program** button to run a degree evaluation and add planned courses to your degree plan. Students in two-degree programs must choose which program to use for their degree evaluation. Students in entry-level programs which require admission to an upper-level or declaration of an option must choose their desired degree program from a list. The following Entry-Level Program example outlines this process.





Undergraduate Degree Planner Student Guide

Edit Plan Tab:

Below is how the **Edit Plan** tab will look after you some courses are added.

The screenshot shows the 'Edit Plan' tab in the Undergraduate Degree Planner. The interface includes a navigation bar with tabs: Curriculum Info, Approval, Edit Plan, View Plan, Degree Evaluation, Template, PreReq Check, Course History, and Links. The main area is titled 'Add/Edit Plan (Total planned credit hr: 56)' and contains a table of courses organized by term.

Course	Title	Hr	Trans	Honors	Writing Requirement	Term Change	De
2014 Spring							
AERO 210	AERO ENGR MECH II	2	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
AERO 214	AERO CONTINUUM MECHANICS	3	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
AERO 320	NUMERICAL METHODS	3	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
MATH 308	DIFFERENTIAL EQUATIONS	3	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
Total Credit Hours:		11					
2014 Summer							
AERO 212	▲ THERMODYNAMICS AERO ENGR	3	<input type="checkbox"/>	<input type="checkbox"/>		2014 Summer	[X]
Total Credit Hours:		3					
2014 Fall							
AERO 301	THEORETICAL AERODYN	3	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
AERO 302	AERO ENGR LAB I	2	<input type="checkbox"/>	<input type="checkbox"/>	N/A	- Move to:	[X]
AERO 304	AERO STRUCTURAL ANALYS I	3	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
AERO 310	AEROSPACE DYNAMICS	3	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
ECEN 215	PRIN OF ELECTRICAL ENGR	3	<input type="checkbox"/>	<input type="checkbox"/>		- Move to:	[X]
Total Credit Hours:		14					

Callouts and their descriptions:

- Print:** Open a PDF of your planned courses to print.
- Self Notes:** Save notes to yourself for future reference.
- Warning message:** Warning message. Hover your cursor over the icon to learn more.
- Delete:** Delete a course from your Degree Plan.
- Move:** Move courses to another term.
- Writing Requirement:** Indicates the courses which will be used to fulfill the University Writing Requirement.
- Trans:** Check to indicate a course you plan to complete at another institution.
- Delete Plan:** Delete all your planned courses.



Undergraduate Degree Planner Student Guide

Degree Evaluation Tab:

The **Degree Evaluation** tab is a tool provided to help you plan the courses which will be completed for your degree. Click on the section headers to expand each area. When an area has incomplete requirements, "Not Met" appears next to the area description. The **Progress Bars** will help you quickly determine which areas require your attention. You should review each area to determine which requirements are still lacking and to choose the courses for your degree plan. Refer to the next page to learn about the information provided within the **Degree Evaluation** tab.

Curriculum Info | Approval | Edit Plan | View Plan | **Degree Evaluation** | Template | PreReq Check | Course History | Links

Degree Evaluation Results including Planned Courses (Generated: Apr 09, 2013 09:29 am)

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.
Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Degree : Bachelor of Science (BS AERO) **Catalog Term :** Fall 2011 - College Station
Majors : Aerospace Engineering **Minors :**

	Met	Credits		Courses	
		Required	Used	Required	Used
Total Required :	No	134.000	62.000		23
Overall GPA :	Yes	2.00	3.083		

Expand all

Area Description	Met Indicator	Progress Bar
Major Coursework (50 CR)	Not Met	5 / 45
Supporting Coursework (26 CR)	Not Met	17 / 9
Communication (6 CR)	Not Met	3 / 3
Mathematics (17 CR)	Not Met	14 / 3
Natural Science (12 CR)	Met	12

Progress Bar
 graded
 planned
 incomplete
 *Numbers mean credit hours.

12

Howdy

Undergraduate Degree Planner Student Guide

Degree Evaluation Tab (cont.):

Supporting Coursework (26 CR) Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
Yes	A.	ENGR 111							201131	ENGR 111	FOUNDATIONS OF ENGR I		2.000	B	H
Yes AND	B.	ENGR 112							201211	ENGR 112	FOUNDATIONS OF ENGR II		2.000	C	H
Yes AND	C.	AERO 209							201231	AERO 209	AERO ENGR MECH I		2.000	C	H
Yes AND	D.	AERO 210							201311	AERO 210	AERO ENGR MECH II		2.000		R
Yes AND	E.	AERO 211							201311	AERO 212	THERMODYNAMICS AERO ENGR		3.000		R
Yes AND	F.	AERO 211							201231	AERO 213	MATERIAL SCI AERO ENGR		3.000	B	H
Yes AND	G.	AERO 214							201311	AERO 214	AERO CONTINUUM		3.000		R
No AND	H.	ECEN 215													
Must make a grade of 'C' or better.															
No AND	I.	Technical Electives 6hrs													
Select from AERO 404-406, 417, 419-420, 422, 424-426, 428, 430, 435, 440, 443, 472, 489; ECEN 421; MEHA 467.															

Total Credits and GPA: 17.000 2.555

Add New Courses to Degree Plan

Requirement	Required	Met	Not Met
Communication (6 CR)	6	3	3
Mathematics (17 CR)	17	14	3
Natural Science (12 CR)	12	12	0
Humanities (3 CR)	3	0	3
Visual and Performing Arts (3 CR)	3	3	0
Social and Behavioral Science (3 CR)	3	3	0
Citizenship (12 CR)	12	3	9
Kinesiology-Physical Activity (1 CR)	1	1	0

Click on the area names to expand and contract the program areas.

Text next to the requirements identifies the courses which can be used. Minimum grade requirements are also listed.

A legend at the end of the degree evaluation explains the different "source" codes used in the evaluation.

Opens a window to add planned courses.

NOTES:

REQUIREMENTS FOR A B.S. DEGREE IN NUTRITION

A minimum of 120 semester hours must be completed. All courses on your appropriate degree plan must be completed. A minimum of 36 semester hours of 300 and/or 400-level coursework must be successfully completed in residence at Texas A&M University to obtain a baccalaureate degree. A minimum of 12 of those 36 hours must be in the major. See the current Undergraduate Catalog for more information.

Nutrition prepares majors with comprehensive biological and social sciences knowledge to understand the relationships between nutrients, food components, and human health. Prevention of diseases that are related to lifestyle, particularly diet and nutrition, is a focus of the curriculum. Core courses emphasize the role of nutrients in biochemistry, genetics, anatomy and physiology, and microbiology and immunology that promotes wellness and enhance the quality of life. The major also provides an excellent background for those interested in pursuing graduate degrees in biomedical or nutritional sciences; professional degrees in medicine, physician assistant, nursing, dentistry, pharmacy, physical therapy, public health, and other health professions; or dietetic internships.

The Didactic Program in Dietetics (DPD), Master of Clinical Nutrition, and Dietetic Internship Program are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Students who successfully complete the DPD, earn a Master's degree, and a dietetic internship are eligible to take the Registration Examination to become a Registered Dietitian Nutritionist (RDN).

Two curriculum tracks are offered (Human Health and Didactic Program in Dietetics) in the Department of Nutrition undergraduate program to provide flexibility in one's chosen career path. The Nutrition major prepares one for graduate or professional school, corporate wellness positions, health promotion programs, the food industry, public health programs, pharmaceutical sales, clinical dietetics, medical and research laboratories, biotechnology firms, government agencies, and related fields.

Human Health Track

The Human Health Track provides a strong science knowledge base and fundamental understanding of nutrition principles supported by a wide range of elective courses in nutrition including, nutrition and disease pathology, sports nutrition, culinary health, community nutrition, statistics, nutritional genetics and precision nutrition, nutrition and early development, and psychology to prepare for a variety of health-related careers. The goal of this track is to enable students to seek employment in specialized science-based fields in the biological or medical sciences, to pursue graduate degrees beyond the baccalaureate, or to enter professional schools of medicine, dentistry, pharmacy or similar disciplines. Students in their track can also earn a Minor in Nutrition before matriculating into the Bachelor of Science in Nursing at Texas A&M University.

Teacher Certification. * *A secondary Provisional Teaching Certificate* may be obtained in conjunction with the Bachelor of Science degree in Nutrition, Human Health Track. There are three subject areas available for teacher certification through this degree: Chemistry (grades 7-12), Biology/Life Science (grades 7-12) and Science (grades 7-12).

All students taking this route must also complete the 18 credit hour STEM (Science, Technology, Engineering, Mathematics) Minor, which includes the following courses: TEED 302 or INST 310; TEFB 322; TEFB 324; RDNG 465; TEFB 406; TEFB 273 or INST 322. Substitutions must be approved by the Department of Teaching, Learning and Culture advisors.

For teacher certification in Biology/Life Science, in addition to the STEM Minor, students must take the following technical electives: One Botany course (BIOL 301 or BIOL 302 or BIOL 328); one Ecology

course (WFSC 402 or BIOL 357).

For teacher certification in Chemistry, there are no additional courses required, in addition to the STEM Minor.

Students interested in teacher certification should contact the teacher certification advisor in the Department of Teaching, Learning and Culture for more information.

**Pending Texas Higher Education Coordinating Board approval.*

Didactic Program in Dietetics Track

The Didactic Program in Dietetics (DPD) is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Students who complete the DPD track qualify to become a Nutrition and Dietetics Technician, Registered (NDTR) (<https://www.cdrnet.org/opportunities>) or a Registered Dietitian (RD)/Registered Dietitian Nutritionist (RDN). The DPD program provides a strong science base and foundational courses in nutrition for students who want to practice medical nutrition therapy in a clinical setting, community nutrition, sports nutrition, public health, or food service management. To be eligible to participate in the DPD program, students must maintain an overall GPR of 3.0 or above and have a grade of at least C in all non-nutrition courses and a grade of at least B in all nutrition courses.

DPD PHILOSOPHY AND MISSION

The DPD Program is designed to provide the knowledge and skills at the undergraduate level needed for competent dietetics practice. The curriculum comprises nutrition, foods, biochemistry, physiology, management, social and behavioral sciences, and other supporting courses. Significant emphasis is placed on developing and demonstrating technical and critical thinking skills, oral and written communication ability and professionalism to more thoroughly prepare our undergraduates for graduate programs and the dietetic profession. Opportunities for applying theoretical knowledge are provided through laboratory experiences, practicum exercises, and experiences with dietetics, nutrition, and foodservice professionals on campus and the Bryan/College Station community, and/or simulation in the classroom.

The mission of the Texas A&M University DPD Program is to prepare future leaders in the dietetic profession by providing a high quality undergraduate level education and experiential learning activities that generate strong technical, critical thinking, communication skills, and professionalism.

The mission of the DPD Program aligns with the University's goal of achieving educational excellence while contributing to scholastic advancement, discovery research and community engagement that leads to economic development in Texas.

For questions related to the DPD Program, contact the DPD Program Director:
Karen Beathard, PhD, RDN, LD, FAND at karen-beathard@tamu.edu

ELIGIBILITY REQUIREMENTS FOR PARTICIPATION IN THE DIDACTIC PROGRAM IN DIETETICS (DPD) PROGRAM

To be eligible for participation in the Didactic Program in Dietetics (DPD) Program, students must complete all of the following:

1. Attend a *mandatory* DPD orientation meeting **prior to** participation in the DPD Program;
2. Have an overall GPR of 3.0 or above;
 - a. Student must **COMPLETE** a minimum 12 credits at Texas A&M University before participation.
3. Satisfactorily **COMPLETE** CHEM 119 and CHEM 120 with a “C” or above; and
 - a. Students who have completed additional non-nutrition DPD courses* must have a “C” or better in all of them.
4. Satisfactorily **COMPLETE** NUTR 203 and NUTR 210 with a “B” or above;
 - a. Students who have completed additional nutrition DPD courses** must have a “B” or better in all of them.

To remain in the DPD program, students must meet the following criteria:

1. Maintain an overall GPR of 3.0 or above; and
2. Have a “C” or better in all non-nutrition DPD Courses* and a “B” or better in all nutrition DPD courses.**

NOTE: Students who (1) fall below 3.0 GPR and/or (2) do not meet the grade criteria for DPD courses will have one semester to (1) bring their overall GPR to 3.0 and/or (2) retake the course(s) and make an acceptable grade. If the GPR and/or grade criteria are not achieved within one semester, the student will be removed from the DPD program and moved to the General Nutrition Track.

Students who wish to be reconsidered for the DPD program must meet the following criteria:

1. Have an overall GPR of 3.0 or above; and
2. Have a “C” or better in all non-nutrition DPD Courses* and a “B” or better in all nutrition DPD courses**

I understand that I am responsible for meeting all the above requirements to participate in the DPD program and will be placed back in the Human Health Track if I do not meet them. I must achieve the designated criteria before being reconsidered to participate in the DPD program. If I am dismissed from the DPD program and/or do not meet the GPR or grade requirements, I understand that I will not receive a verification statement from the DPD Program nor qualify for participation in an accredited dietetic internship.

I also understand that successful completion of the DPD program does not guarantee placement in an accredited graduate or dietetic internship program.

Didactic Program in Dietetics (DPD) Program Course Requirements	
DPD Science Courses	DPD Professional Courses
Must Make a "C" or Better	Must Make a "B" or Better
CHEM 119 FUND OF CHEMISTRY I must be complete before participation in the DPD program	NUTR 203 SCIENTIFIC PRIN NUTRITION must be complete before participation in the DPD program
CHEM 120 FUND OF CHEMISTRY II must be complete before participation in the DPD program	NUTR 204 PRINCIPLES IN NUTRITION must be complete before participation in the DPD program
CHEM 257 ORGANIC CHEMISTRY I-Struc and Func	NUTR 210 HORIZONS IN NUTRITION AND FOOD SCIENCE must be complete before participation in the DPD program
CHEM 258 ORGANIC CHEMISTRY II-Rea and Ap	NUTR 211 SCIENTIFIC PRIN OF FOODS
GENE 301 COMPREHENSIVE GENETICS	NUTR 301 NUTRITION THROUGH LIFE
GENE 312 COMPREHENSIVE GENETICS LAB	NUTR 304 FOOD SERVICE SYSTEM MANAGEMENT
BIOL 111 INTRODUCTORY BIOLOGY I	NUTR 366 NUTRIENTS AND THE HUMAN BODY I
BIOL 112 INTRODUCTORY BIOLOGY II	NUTR 367 NUTRIENTS AND THE HUMAN BODY II
BICH 409 PRINCIPLES OF BIOCHEMISTRY	NUTR 404 NUTR ASSESSMENT & PLAN
	NUTR 407 NUTRITION CARE AND THERAPY
	NUTR 408 PROF DEVEL IN NUTR AND DIETETICS
	NUTR 430 COMMUNITY NUTRITION
	NUTR 440 MICROBES AND MICROBIOME IN NUTR
	NUTR 475 NUTR & PHYSIOLOG CHEM
	NUTR 481 SEMINAR
	NUTR Elective
Must Make a "C" or better in the following courses:	
ANTH 205 PEOPLE AND CULT OF THE WORLD or ANTH 210 SOC AND CULT ANTH	
PBSI 107 INTRODUCTION TO PSYCHOLOGY	
STAT 301, 302 or 303 STATISTICAL METHODS	
MGMT 309 SURVEY OF MANAGEMENT	

By choosing to change degree tracks to NUTR DPD, all prerequisites for DPD (NUTR 211, 304, 404, and 407) will be enforced and that no waivers will be granted. NUTR 211 is the prerequisite for NUTR 304. NUTR 404 is the prerequisite for NUTR 407. NUTR 404 is offered in Fall term only. NUTR 407 is offered in Spring term only. These are non-negotiable sequences and scheduling consequences may occur.

CURRICULUM IN NUTRITION
HUMAN HEALTH TRACK CATALOG NO. 147 (2024-2025)¹

FRESHMAN YEAR

<u>First Semester</u>		<u>Second Semester</u>	
BIOL 111	4	BIOL 112	4
CHEM 119	4	CHEM 120	4
ENGL 104	3	American History ²	3
NUTR 203	3	NUTR 301	3
NUTR 204	1		14
NUTR 210	1		
	16		

SOPHOMORE YEAR

<u>First Semester</u>		<u>Second Semester</u>	
CHEM 257	4	CHEM 258	4
ENGL 210	3	POLS 206 ²	3
American History ²	3	Creative Arts ²	3
Mathematics ²	3	Mathematics ²	3
Social and Behavioral Science ²	3	General Elective	1
	16		14

JUNIOR YEAR

<u>First Semester</u>		<u>Second Semester</u>	
POLS 207 ²	3	GENE 301	3
NUTR 366	4	GENE 312	1
NUTR Elective ³	3	NUTR 367	4
Technical Elective ⁴	3	Statistics ⁵	3
General Elective	3	Technical Elective ⁴	3
	16		14

SENIOR YEAR

<u>First Semester</u>		<u>Second Semester</u>	
BICH 409	3	NUTR 400	1
NUTR 440	4	NUTR 475	3
NUTR Elective ³	6	NUTR 481	1
Technical Elective ⁴	3	Language, Phil, and Culture	3
	16	NUTR Elective ³	3
		Technical Elective ⁴	3
			14

A total of 120 hours is required for graduation; 36 hours of 300/400 level courses are required to meet the TAMU residency requirement.

- ¹ Catalog should correspond with your first semester.
- ² The Graduation requirements include a requirement for 3 hours of International and Cultural Diversity and 3 hours of Cultural Discourse. Selection must be from courses in the Core Curriculum. Selection can be courses that also satisfy the requirement for social and behavioral sciences; creative arts; language, philosophy and culture; or electives. For more information on core requirements visit the University Core Curriculum catalog page.
- ³ Students may choose from the following nutrition electives: NUTR 211, 300, 306, 320, 365, 403, 410, 430, 454, 469, 471, 485, 489, 491.
- ⁴ Students may choose from the following technical electives: ACCT 209; BICH 431/GENE 431; BIOL 352, BIOL 413 or BIOL 414; CHEM 238, CHEM 315 and CHEM 318; COMM 203, COMM 315 or COMM 325; FINC 409; HLTH 236, HLTH 334, HLTH 354, ISTM 209; MGMT 209, MGMT 309; MKTG 409, SOCI 205; PHYS 201, PHYS 202; PSYC 300-499; VTPP 425.
- ⁵ Students may choose from the following statistics courses: STAT 301, 302, 303.

CURRICULUM IN NUTRITIONAL SCIENCES
HUMAN HEALTH TRACK CATALOG NO. 147 (2024-2025)*

University Core Curriculum

Citizenship

- _____ Am. History Elective (3) (**TCCN: HIST 1301**)
- _____ Am. History Elective (3) (**TCCN: HIST 1302**)
- _____ POLS 206 (3) (**TCCN: GOVT 2305/2302**)
- _____ POLS 207 (3) (**TCCN: GOVT 2306/2301**)

Communication

- _____ ENGL 104 (3) (**TCCN: 1301**)
- _____ ENGL 210 (3) (**TCCN: 2311**)

Natural Sciences

- _____ CHEM 119 (4) (**TCCN: 1411**)
- _____ CHEM 120 (4) (**TCCN: 1412**)

Language, Philosophy, and Culture

- _____ Language, Philosophy, and Culture Elective (3)

Mathematics and Statistics

- _____ MATH 140 (3) (**TCCN: 1324**)
- _____ MATH 142 (3) (**TCCN: 1325**)
- _____ STAT 301, 302 or 303 (3)

Social and Behavioral Sciences

- _____ Social and Behavioral Science Elective (3)

Creative Arts

- _____ Creative Arts Elective (3)

ICD/CD

- _____ 3 hours (**can be used to satisfy**
- _____ 3 hours **other requirements**)

Writing Intensive Credits (must be NUTR/2 required)

- NUTR 204
- NUTR 481

Science Courses (Credit hours)

Biochemistry

- _____ BICH 409 (3)

Biology and Genetics

- _____ BIOL 111 (4) (**TCCN: 1406**)
- _____ BIOL 112 (4) (**TCCN: 1407**)
- _____ GENE 301/312 (4)

Chemistry

- _____ CHEM 257 (4) (**TCCN: 2423**)
- _____ CHEM 258 (4) (**TCCN: 2425**)

Required Nutrition Courses

- _____ NUTR 203 (3)
- _____ NUTR 204 (1)
- _____ NUTR 210 (1)
- _____ NUTR 301 (3)
- _____ NUTR 366 (4)
- _____ NUTR 367 (4)
- _____ NUTR 400 (1)
- _____ NUTR 440 (4)
- _____ NUTR 475 (3)
- _____ NUTR 481 (1)
- _____ NUTR Elective (12)

Technical Electives (12 credits)

- _____ Approved Electives (3)
- _____ Approved Electives (3)
- _____ Approved Electives (3)
- _____ Approved Electives (3)

Free Electives (4 credits)

- _____ Free Elective
- _____ Free Elective
- _____ Free Elective

**CURRICULUM IN NUTRITIONAL SCIENCES
 DIDACTIC PROGRAM IN DIETETICS TRACK
 CATALOG NO. 147 (2024-2025)¹**

FRESHMAN YEAR

<u>First Semester</u>		<u>Second Semester</u>	
ENGL 104	3	American History Elective ²	3
CHEM 119	4	NUTR 301	3
BIOL 111	4	CHEM 120	4
NUTR 203	3	BIOL 112	4
NUTR 204	1		14
NUTR 210	1		
	16		

SOPHOMORE YEAR

<u>First Semester</u>		<u>Second Semester</u>	
MATH 140	3	CHEM 258	4
CHEM 257	4	NUTR 211	4
ENGL 210	3	MATH 142	3
PBSI 107	3	POLS 206	3
American History Elective ²	3	Creative Arts Elective ²	3
	16		14

JUNIOR YEAR

<u>First Semester</u>		<u>Second Semester</u>	
NUTR 304	4	GENE 301/312	4
NUTR 366	4	NUTR 367	4
MGMT 309	3	NUTR 408	1
POLS 207	3	NUTR Elective ³	3
	14	Creative Arts Elective ²	3
			15

SENIOR YEAR

<u>First Semester</u>		<u>Second Semester</u>	
BICH 409	3	NUTR 407	4
BICH 404	3	NUTR 475	3
NUTR 430	3	NUTR 481	1
NUTR 440	4	General Elective	4
STAT 301, 302 or 303	3	ANTH 205 or ANTH 210	3
	16		15

A total¹ of 120 hours is required for graduation; 36 hours of 300/400 level courses are required to meet the TAMU residency requirement.

¹ Catalog should correspond with your first semester.

² The Graduation requirements include a requirement for 3 hours of International and Cultural Diversity and 3 hours of Cultural Discourse. Selection must be from courses in the Core Curriculum. Selection can be courses that also satisfy the requirement for social and behavioral sciences; creative arts; language, philosophy and culture; or electives. For more information on core requirements visit the University Core Curriculum catalog page.

³ Students may choose from the following nutrition electives: NUTR 300, 306, 320, 403, 410, 454, 469, 471, 485, 489, 491.

CURRICULUM IN NUTRITIONAL SCIENCES *DIDACTIC*
PROGRAM IN DIETETICS TRACK CATALOG NO. 147 (2024-
2025)¹

University Core Curriculum

Citizenship

- _____ Am. History Elective (3) (**TCCN: HIST 1301**)
- _____ Am. History Elective (3) (**TCCN: HIST 1302**)
- _____ POLS 206 (3) (**TCCN: GOVT 2305/2302**)
- _____ POLS 207 (3) (**TCCN: GOVT 2306/2301**)

Communication

- _____ ENGL 104 (3) (**TCCN: 1301**)
- _____ ENGL 210 (3) (**TCCN: 2311**)

Natural Sciences

- _____ CHEM 119 (4) (**TCCN: 1411**)
- _____ CHEM 120 (4) (**TCCN: 1412**)

Language, Philosophy, and Culture

- _____ ANTH 205 or ANTH 210 (3)

Mathematics and Statistics

- _____ MATH 140 (3) (**TCCN: 1324**)
- _____ MATH 142 (3) (**TCCN: 1325**)
- _____ STAT 301, 302 or 303 (3)

Social and Behavioral Sciences

- _____ PBSI 107 (3)

Creative Arts

- _____ Creative Arts Elective (3)

ICD/CD

- _____ 3 hours (**can be used to satisfy**
- _____ 3 hours **other requirements**)

Writing Intensive Credits (must be NUTR/2 required)

- NUTR 204
- NUTR 481

Science Courses (Credit hours)

Biochemistry

- _____ BICH 409 (3)

Biology and Genetics

- _____ BIOL 111 (4) (**TCCN: 1406**)
- _____ BIOL 112 (4) (**TCCN: 1407**)
- _____ GENE 301/312 (4)

Chemistry

- _____ CHEM 257 (4) (**TCCN: 2423**)
- _____ CHEM 258 (4) (**TCCN: 2425**)

Required Nutrition Courses

- _____ NUTR 203 (3)
- _____ NUTR 204 (1)
- _____ NUTR 210 (1)
- _____ NUTR 301 (3)
- _____ NUTR 366 (4)
- _____ NUTR 367 (4)
- _____ NUTR 440 (4)
- _____ NUTR 475 (3)
- _____ NUTR 481 (1)
- _____ NUTR Elective (3)

Supporting Coursework (ACEND Approved)

- _____ NUTR 211 (4)
- _____ NUTR 304 (4)
- _____ NUTR 404 (3)
- _____ NUTR 407 (4)
- _____ NUTR 408 (1)
- _____ NUTR 430 (3)
- _____ MGMT 309 (3)

Free Electives (4 credits)

- _____ Free Elective

NUTRITION COURSE DESCRIPTIONS

- NUTR 202 Fundamentals of Human Nutrition (Credit 3) —NOT A NUTR ELECTIVE**
Fundamentals of Human Nutrition. Principles of nutrition with application to the physiologic needs of individuals; food sources and selection of an adequate diet; formulation of Recommended Dietary Allowances; nutritional surveillance; for non-nutrition majors only.
- NUTR 203 Scientific Principles in Human Nutrition (Credit 3) Restricted to NUTR majors and minors only.** Chemistry and physiology of proteins, carbohydrates, lipids, vitamins and minerals; their ingestion, digestion, absorption, transport and metabolism.
Prerequisites: CHEM 119 or concurrent enrollment; NUTR majors and minors only.
- NUTR 204 Perspectives in Nutrition (Credit 1)**
Examination of current trends in nutrition through critical review and appraisal of relevant literature to understand, write, and communicate the research evidence for nutrients, food and/or dietary patterns underlying human health and disease.
Prerequisites: Concurrent enrollment in NUTR 203.
- NUTR 210 Horizons in Nutrition and Food Science (Credit 1)**
Introduction to nutrition and food science career opportunities through presentations by nutrition and food science researchers and industry professionals; addresses issues of professionalism including portfolio development, teamwork, and critical thinking skills. Cross-listed with FSTC 210.
- NUTR 211 Scientific Principles of Foods (Credit 4)**
Basic principles underlying selection, preparation and preservation of food in relation to quality standards, acceptability and aesthetics. Introduction to composition, nutritive value, chemical and physical properties of foods; introduction to experimental study of foods.
Prerequisites: CHEM 119; NUTR 202 or NUTR 203; Dietetics (DPD) track; or approval of instructor.
- NUTR 222 Nutrition for Health and Health Care (Credit 3)—NOT A NUTR ELECTIVE**
Analysis of nutrition with emphasis on providing a basic understanding of nutrition and its role in disease prevention and treatment.
- NUTR 285 Directed Studies (Credit 1 to 4)**
Directed study of selected problems in the area of nutrition.
Prerequisites: Approval of instructor; 2.0 GPR in major and overall.
- NUTR 289 Special Topics In... (Credit 1 to 4)**
Selected topics in an identified area of nutrition. May or may not be repeated for credit.
Prerequisites: Approval of instructor.
- NUTR 300 Religious and Ethnic Foods (Credit 3)**
Understanding religious and ethnic foods with application to product development, production, and nutritional practices; emphasis on different food rules and priorities with attention given to different religious and ethnic groups within the US and around the world.
Prerequisites: Junior or senior classification or approval of instructor; basic knowledge of food science and nutrition helpful. Cross-listed with FSTC 300.

- NUTR 301 Nutrition Through Life (Credit 3)**
 Analysis of nutrition with emphasis on human biological needs through stages of the life cycle. The biochemical, physiological, and anthropometric aspects of nutrition.
Prerequisites: NUTR 202 or NUTR 203; NUTR majors and minors only.
- NUTR 303 Principles of Animal Nutrition (Credit 3) —NOT A NUTR ELECTIVE**
 Scientific approach to nutritional roles of water, carbohydrates, proteins, lipids, minerals, vitamins, and other dietary components; emphasis on the comparative aspects of gastrointestinal tracts and on digestion, absorption, and metabolism of nutrients.
Prerequisites: CHEM 119 and a grade of C or better in ANSC 113, or CHEM 222, CHEM 227 or CHEM 257; junior classification or approval of instructor.
- NUTR 304 Food Service Systems Management (Credit 4)**
Dietetics Students Only
 Principles of food service management used in selecting, storing, preparing and serving food in quantity; emphasis on menu planning, quality control, purchasing, equipment and layout/design; application of basic management principles in food service operations, including financial planning and personnel issues.
Prerequisites: Grade of B or better in NUTR 211; junior or senior classification; Dietetics (DPD) track; or approval of instructor.
- NUTR 306 Nutrition in Sports (Credit 3)**
 Perspectives of obesity in food science, nutrition, health and psychology; study of obesity factors in relation to genetics, exercise physiology and sociology with emphasis on food and nutrition.
Prerequisites: NUTR 301.
- NUTR 320 Understanding Obesity: A Social and Scientific Challenge (Credit 3)**
 Perspectives of obesity in food science, nutrition, health and psychology; study of obesity factors in relation to genetics, exercise physiology and sociology with emphasis on food and nutrition.
Prerequisites: Junior or senior classification or approval of instructor.
- NUTR 366 Nutrients and the Human Body I (Credit 4)**
 Exploration of the role of nutrients in maintaining normal organ systems; nutritional significance of vitamins, minerals, and other nutrients to normal and diseased organs; investigation of dietary sources, absorption, storage, metabolism, biochemistry, deficiency, and toxicity of nutrients on development and homeostasis of the integumentary, skeletal, muscular, and nervous systems.
Prerequisites: NUTR 301 or concurrent enrollment; NUTR major; junior or senior classification or approval of instructor.
- NUTR 367 Nutrients and the Human Body II (Credit 4)**
 Exploration of the role of nutrients in maintaining normal organ systems; nutritional significance of vitamins, minerals, and other nutrients to normal and diseased organs; investigation of dietary sources, absorption, storage, metabolism, biochemistry, deficiency, and toxicity of nutrients on development and homeostasis of the endocrine, digestive, urinary, cardiovascular, lymphatic, reproductive, adipose, and respiratory systems.
Prerequisites: NUTR 366; NUTR majors; junior or senior classification or approval of instructor.

- NUTR 400 Ethics in Nutrition and Healthcare (Credit 1)**
 Discussion of ethical issues and societal challenges experienced by professionals derived from scientific research and professional activities related to delivering wellness and healthcare services; review of sources, fundamental principles, scope of practice and applications of ethical behavior in the field of nutrition; application of ethical principles and scope of practice to different professional groups and organizations, including business, non-profits, government, health care, and science and technology.
Prerequisites: NUTR major or minor or NUTR certificate; senior classification.
- NUTR 403 Advanced Nutrition in Sports (Credit 3)**
 Examination of sports nutrition for specific athlete populations, training settings, and lessons on being a sports dietitian beyond the nutrition knowledge need.
Prerequisites: NUTR 306.
- NUTR 404 Nutrition Assessment and Planning (Credit 3)**
Dietetics Students Only
 Examines the methods of determining the nutritional status of individuals, dietary assessment techniques, planning nutritional care including diet modification and nutrition counseling.
Prerequisites: NUTR 203, NUTR 211 and NUTR 301; junior classification or approval of department head.
- NUTR 406 Nutrition in Developmental Origins of Health and Diseases (Credit 3)**
 Overview of the connection between maternal nutrition and the Developmental Origins of Health and Diseases (DOHaD); focus on prenatal and perinatal nutrition and how it affects DOHaD; examination of the discovery of the DOHaD concept and how exposure status is remembered in the body over the long term; exploration of the associations between DOHaD-related diseases and specific nutrients; discussion of how genetic variation and sexual dimorphism influence these disease outcomes.
Prerequisites: NUTR 301, NUTR 366, and NUTR 367; GENE 301 or GENE 302; junior or senior classification, or approval of instructor.
- NUTR 407 Nutrition Care and Therapy (Credit 4)**
 Application of the Nutrition Care Process for clinical diagnoses and conditions; planning of nutritional care plans for complex patients, including the formulation and planning for enteral and parenteral nutrition support.
Prerequisites: NUTR 203, NUTR 211, NUTR 301 and NUTR 404; junior classification; dietetics track; or approval of instructor.
- NUTR 408 Professional Development in Nutrition and Dietetics (Credit 1)**
 Techniques in professional development with focus on knowledge requirements for a Registered Dietitian Nutritionist; emphasis on oral and written communication, professional leadership, interprofessional relationships, mentoring, and critical thinking.
Prerequisites: Senior classification; NUTR-DPD majors.
- NUTR 410 Nutritional Pharmacometrics of Food Compounds (Credit 3)**
 Nutritional pharmacokinetics and pharmacodynamics of food compounds; specific examples of toxicological and pharmacological effects of food compounds.
Prerequisites: NUTR 201, NUTR 202, NUTR 203, CHEM 222, or CHEM 227, or approval of instructor; junior or senior classification. Cross-listed with FSTC 410

- NUTR 430 Community Nutrition (Credit 3)**
Principles of assessing nutrition problems in populations and planning nutrition programs to promote health in communities including nutrition education and food and nutrition policy; introduction to food and nutrition assistance programs.
Prerequisites: NUTR 301; junior or senior classification.
- NUTR 440 Microbes and Microbiome in Nutrition (Credit 4)**
Contemporary approaches to nutrition-associated microbes and toxins with an emphasis on the alimentary (gastrointestinal) system including normal intestinal microbiota and dysbiosis; probiotic and prebiotic nutritional supplements; recombinant pharmabiotics; nutrient and microbiota modulation of gut-associated lymphoid tissue and mucosal immunity; foodborne pathogens; fermented products as functional foods, and food safety approaches.
Prerequisites: NUTR 301 or concurrent enrollment; NUTR major; junior or senior classification or approval of instructor.
- NUTR 454 Nutrigenomics and Precision Nutrition (Credit 3)**
Perspectives on the interaction between genetic variation and diet/nutrients; dietary and nutrient impacts on gene expression mediated by variation in individual genomes; modulation of the host epigenome by the microbiome; novel treatment of important diseases addressed through improved nutrition and the development of improved health through precision nutrition.
Prerequisites: NUTR 202 or NUTR 203; GENE 301, GENE 302, GENE 310, or GENE 320/BIMS 320; junior or senior classification; or approval of instructor.
- NUTR 469 Experimental Nutrition & Food Science Laboratory (Credit 3)**
Investigation of nutritional intervention in animal models of metabolic and psychological disorders (e.g. obesity and depression); investigational approaches; behavioral analyses; RNA & protein analyses; reverse transcription PCR.
Prerequisites: CHEM 227/237; junior or senior classification or approval of instructor.
- NUTR 471 Critical Evaluation of Nutrition and Food Science Literature - Evidence Based Reviews (Credit 3)**
Evaluation of scientific literature, research methods within the literature, and the quality of scientific studies to produce an evidence-based review in areas specific to nutrition and food science.
Prerequisites: NUTR 202 or NUTR 203; STAT 302; junior or senior classification; knowledge of technical writing helpful.
- NUTR 475 Nutrition and Physiological Chemistry (Credit 3)**
Fundamentals of physiology, biochemistry and nutrition and their relationship to the organismic and cellular metabolism of animals; biochemical basis of hormonal action.
Prerequisites: NUTR 301; NUTR 366 or BIOL 319; BICH 409, BICH 410, or BICH 440; senior classification; or approval of instructor.
- NUTR 481 Seminar (Credit 1) Communication Intensive Course**
Review of current literature and research in nutrition; oral presentations and critical discussions.
Prerequisites: Senior classification in nutritional sciences or allied area, or instructor approval.
NOTE: This course should be taken during your last semester at TAMU.

NUTR 485 Directed Studies (Credit 1-4)
Directed study on selected problems in the area of nutrition not covered in other courses.
Prerequisites: Junior or senior classification in nutritional sciences or allied area; approval of instructor; 2.0 GPR in major and overall. Student must make prior arrangement with a faculty member.

NUTR 489 Special Topics in ... (Credit 1-4)
Selected topics in an identified area of nutrition. May be repeated for credit.
Prerequisites vary depending on course.

NUTR 491 Research (Credit 0-4)

SUPPORTING COURSES IN NUTRITIONAL SCIENCES

ANTH 205 Peoples and Cultures of the World (Credit 3)
Survey of human cultures around the world using case studies of customs and cultural organization; case studies exemplifying contrasting types of cultures and societies.
Will meet 3 hours International and Cultural Diversity Requirement.

ANTH 210 Social and Cultural Anthropology (Credit 3)
Evolution of cultures; differences, similarities and effects of material and non-material culture on economic, social and political organization. Will meet 3 hours International and Cultural Diversity Requirement.

BICH 409 Principles of Biochemistry (Credit 3)
A rigorous, survey of topics in biochemistry; topics include structure and function of molecules within living cells, major metabolic pathways and their regulation and role in disease; provides preparation for advanced study in the health sciences.
Prerequisites: CHEM 228 or CHEM 258.

BICH 431 Molecular Genetics (Credit 3)
Molecular basis for inheritance: gene structure and function, chromosomal organization, Replication and repair of DNA, transcription and translation, the genetic code, regulation of gene of expression differentiation and genetic manipulations.
Prerequisites: BICH 409, BICH 410, or BICH 440; GENE 301, GENE 302, GENE 303, GENE 320/BIMS 320 or BIMS 320/GENE 320.

BIOL 111 Introductory Biology (Credit 4)
First half of an introductory two-semester survey of contemporary biology that covers the chemical basis of life, structure and biology of the cell, molecular biology and genetics.

BIOL 112 Introductory Biology (Credit 4)
The second half of an introductory two-semester survey of contemporary biology that covers evolution, history of life, diversity and form and function of organisms.
Prerequisite: BIOL 111.

BIOL 328 Plants and People (Credit 3)
Development and uses of principal economically important plants of the world; plants and plant parts used in production of important commodities; vascular plants.

Prerequisite: BIOL 101 or BIOL 111 or BIOL 112 or approval of instructor.

- BIOL 352 Diagnostic Bacteriology (Credit 4)**
Practical experience in handling, isolation and identification of pathogenic Microorganisms from clinical specimens; rapid identification and serological confirmation along with antibiotic sensitivities and reporting of isolates.
Prerequisite: BIOL 206 or 351
- BIOL 357 Ecology (Credit 3)**
Analysis of ecosystems at organismal, population, interspecific and community levels. BIOL 358 is the laboratory for this lecture course.
Prerequisite: BIOL 112 or approval of instructor
- BIOL 358 Ecology Laboratory (Credit 1)**
Quantitative analyses of freshwater and terrestrial ecosystems; includes data sampling and presentation of results in written and oral formats; required fieldtrips; analysis of competition and predator-prey interactions using ecological models.
Prerequisite: BIOL 357 or concurrent enrollment; junior or senior classification.
- BIOL 360 Microbial Biotechnology (Credit 2)**
An interdisciplinary overview of biotechnology which presents the roles of microorganisms in diverse commercial applications; emphasis on the use of recombinant DNA methodology in this field; social aspects of biotechnology, such as risk management and impact on human health and the environment.
Prerequisites: BIOL 111; CHEM 102; CHEM 227 recommended.
- BIOL 413 Cell Biology (Credit 3)**
Structure, function, and biogenesis of cells and their components; interpretation of dynamic processes of cells, including protein trafficking, motility, signaling, and proliferation. Prerequisites: BIOL 213 or BICH 410.
- BIOL 414 Developmental Biology (Credit 3)**
Concepts of development in systems ranging from bacteriophage to the mammalian embryo; use of recombinant DNA technology and embryo engineering to unravel the relationships between growth and differentiation, morphogenesis and commitment, aging and cancer.
Prerequisite: BIOL 413 or concurrent enrollment or approval of instructor.
- CHEM 119 Fundamentals of Chemistry I (Credit 4)**
Fundamentals of Chemistry I. Introduction to modern theories of atomic structure and chemical bonding; chemical reactions; stoichiometry; states of matter; solutions; equilibrium; acids and bases; coordination chemistry; methods and techniques of chemical experimentation; qualitative and semiquantitative procedures applied to investigative situations; also taught at Galveston campus.
Prerequisites: Completion of at least 90% of the ALEKS chemistry preparatory module.
- CHEM 120 Fundamentals of Chemistry II (Credit 4)**
Fundamentals of Chemistry II. Theory and applications of oxidation-reductions systems; thermodynamics and kinetics; complex equilibria and solubility product; nuclear chemistry; descriptive inorganic and organic chemistry; introduction to analytical and synthetic methods and to quantitative techniques to both inorganic and organic compounds with emphasis on an investigative approach.

Prerequisites: CHEM 119, or CHEM 107 and CHEM 117; also taught at Galveston and Qatar campuses.

CHEM 257 Organic Chemistry I – Structure and Function (Credit 4)

Introduction to the chemistry of carbon-containing compounds, including general principles and application to various academic, industrial, and biological processes; includes elementary operations and techniques of organic chemistry laboratories.

Prerequisite: CHEM 102 or CHEM 120; also taught at Galveston campus.

CHEM 258 Organic Chemistry II – Reactivity and Applications (Credit 4)

Continuation of CHEM 257; introduction to the chemistry of carbon-containing compounds, including general principles and application to various academic, industrial, and biological processes; includes elementary operations and techniques of organic chemistry laboratories.

Prerequisite: CHEM 257; or CHEM 227 and CHEM 237; also taught at Galveston campus.

CHEM 316 Quantitative Analysis (Credit 2)

Introduction to quantitative methods of analysis; solution chemistry. Chemical equilibrium of analytically useful reactions and of processes important in advanced analytical methods including electrochemistry, separations and kinetic methods.

Prerequisite: CHEM 102 or 104.

CHEM 318 Quantitative Analysis Laboratory (Credit 1)

Laboratory work consists of selected experiments in quantitative analysis designed to typify operations of general application; work is primarily volumetric with limited gravimetric experiments.

Prerequisites: CHEM 102 or 104; CHEM 315 or registration therein.

COMM 203 Public Speaking (Credit 3)

Training in speeches of social and technical interest designed to teach students to develop and illustrate ideas and information and to inform, stimulate, and persuade their audiences.

COMM 315 Interpersonal Communication (Credit 3)

Speech interaction in person-to-person settings; concepts of perception, attraction, self-disclosure, listening, and conflict management through communication; speech interaction patterns and stages in the development of interpersonal communication.

COMM 325 Persuasion (Credit 3)

Theory of effective persuasive communication in interpersonal, small group, and public settings; audience analysis, ethics of persuasion, motivational factors, psychological and rhetorical principles, source credibility, and theories of attitude change.

ENGL 104 Composition and Rhetoric (Credit 3)

Focus on referential and persuasive researched essays through the development of analytical reading ability, critical thinking and library research skills. (ENGL 104 offered for students whose native language is not English.) U1 and U2 students only.

GENE 301 Genetics (Credit 3)

Fundamental principles of genetics: physical basis of Mendelian inheritance, expression and interaction of genes, linkage, sex linkage, biochemical nature of genetic material and mutation.

Prerequisites: BIOL 112. Credit cannot be given for both GENE 301 and 320.

- GENE 312 Genetics Lab (Credit 1)**
Exercises in Mendelian genetics, meiosis, probability theory in pedigrees, population and quantitative genetics, as well as other genetics theory; molecular techniques to examine DNA and analyze outcomes.
Prerequisites: BIOL 112. *Co-requisite:* GENE 301.
- GEOL 101 Principles of Geology (Credit 4)**
Physical and chemical nature of the Earth and dynamic processes that shape it; plate tectonics, Earth's interior, materials it is made of, age and evolution, earthquakes, volcanism, erosion and deposition; introduces physical and chemical principles applied to the Earth. Not open to students who have taken GEOL 103 or GEOL 104.
- HLTH 236 Race, Ethnicity and Health (Credit 3)**
Explore in-depth the racial, ethnic, and cultural dimensions that underlie health and health disparities; emphasis on culture, social economic status and governmental policies as they influence the adaptation of health practices.
- HLTH 334 Women's Health (Credit 3)**
A broad range of health issues that are either unique to women or of special importance to women; information for the health consumer; preparation as an advocate of health lifestyles; awareness of the role health plays in the life of all women.
Prerequisites: Junior or senior classification. Cross-listed with WGST 334.
- HLTH 354 Medical Terminology for the Health Professions (Credit 3)**
Designed for students interested in pursuing a career in a health, medical, scientific or other helping profession; develop medical word power skills combined with related health and disease knowledge.
Prerequisites: Junior or senior classification. (*Satisfies International and Cultural Diversity TAMU requirement*)
- MATH 140 Mathematics for Business and Social Sciences (Credit 3)**
Mathematics for Business and Social Sciences. Application of common algebraic functions, including polynomial, exponential, logarithmic and rational, to problems in business, economics and the social sciences; includes mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. Only one of the following will satisfy the requirements for a degree: MATH 140 or MATH 168.
Prerequisites: High school algebra I and II and geometry; not open to senior classification; also taught at Galveston campus.
- MATH 142 Business Calculus (Credit 3)**
Business Calculus. Limits and continuity; techniques and applications of derivatives including curve sketching and optimization; techniques and applications of integrals; emphasis on applications in business, economics, and social sciences. Only one of the following will satisfy the requirements for a degree: MATH 142, MATH 147, MATH 151 or MATH 171.
Prerequisites: Grade of C or better in MATH 140 or MATH 150, or equivalent or acceptable score on Texas A&M University math placement exam; not open to senior classification; also taught at Galveston campus.
- MGMT 309 Survey of Management (Credit 3)**
Survey of the basic functions and responsibilities of managers; includes the environmental

context of management, planning and decision making, organization, structure and design, leading and managing people, and the controlling process; issues of globalization, ethics, quality and diversity integrated throughout the course.

Prerequisites: Junior classification; for non-business and non-agribusiness majors.

PHYS 201 College Physics (Credit 4)

Fundamentals of classical mechanics, heat, and sound. Primarily for architecture, education, premedical, pre-dental, and pre-veterinary medical students.

PHYS 202 College Physics (Credit 4)

Continuation of PHYS 201. Fundamentals of classical electricity and light; introduction to contemporary physics.

Prerequisite: PHYS 201.

POLS 206 American National Government (Credit 3) (GOVT 2302 or 2305)

Survey of American national government, politics, and constitutional development.

POLS 207 State and Local Government (Credit 3) (GOVT 2301 or 2306)

Survey of state and local government and politics with special reference to the constitution and politics of Texas.

PBSI 107 Introduction to Psychology (Credit 3)

Introductory course dealing with elementary principles of human behavior.

PBSI 306 Abnormal Psychology (Credit 3)

Survey of behavior pathology; functional and organic psychoses, psychoneurosis, character disorders, psychophysiological disorders, alcohol and drug addiction and mental retardation; therapeutic and diagnostic methods.

Prerequisite: PSYC 107; Junior classification or PSYC 203 and 204.

PBSI 307 Developmental Psychology (Credit 3)

Growth and development of normal child from infancy to adolescence with emphasis on elementary school years.

Prerequisites: PSYC 107; PSYC 203 and 204 or junior classification.

SOCI205 Introduction to Sociology (Credit 3)

Introduction to Sociology. Sociological perspectives including concepts and methods; social class and social status, the family, minorities, crime, religion, power, urbanization and population.

STAT 302 Statistical Methods (Credit 3)

Intended for undergraduate students in the biological sciences and agriculture (except for agricultural economics). Introduction to concepts of random sampling and statistical inference; estimation and testing hypotheses of means and variances; analysis of variance; regression analysis; chi-square tests. Credit will not be allowed for more than one of STAT 301, 302 or 303.

Prerequisite: MATH 141 or equivalent.

VTPP 425 Pharmacology (Credit 3)

Introduction to pharmacokinetics and pharmacodynamics; survey of major Pharmaceutical classes; uses, mechanisms of action and adverse reactions of

selected Agents.

Prerequisites: VTPP 423 or approval of instructor; junior or senior classification. To register for course, you must request a force from the Biomedical Sciences Department. Must have 2.5 or above.

WFSC 403 Animal Ecology (Credit 3)

Concepts of animal ecology which emerge at various levels of organization; the ecosystem, the community, the population and the individual; laboratories emphasis on the quantitative analysis of field data and the simulation of population dynamics.

Prerequisites: WFSC 201 and RENR 205 or approval of instructor; junior classification.

WFSC 420 Ecology and Society (Credit 3)

Students study and compare human and natural ecosystems using diversity, interrelations, cycles, and energy as the conceptional organization; central themes of the course are sustainability, stewardship and science. Prerequisite: Junior or senior classification.

STEM MINOR COURSES

INST 310 Understanding Special Populations (Credit 3)

Referral, assessment and categorization of special populations including physical, cognitive and affective characteristics; cultural, ethnic, economic and linguistic differences; giftedness; special education and compensatory programs; awareness of legislative history that results in rights for special populations.

Prerequisite: Sophomore classification or above.

INST 322 Foundations of Education in a Multicultural Society (Credit 3)

Historical, philosophical and cultural foundations of education emphasizing education for a multicultural society.

Prerequisite: Junior classification or above.

RDNG 465 Reading in the Middle and Secondary Grades (Credit 3)

Reading needs of middle and secondary school students with emphasis upon curriculum organization for reading development and assessment of student progress in content area reading. *(Only offered in the fall)*

TEED 302 Teaching/Learning Processes: Psychological Perspectives on Education (Credit 3)

Psychological perspectives on instruction; examines learning processes, learner motivation, home and cultural influences, learning strategies; design and delivery of instruction; controversies regarding learning and instruction.

Prerequisites: Junior classification; admission to teacher education.

TEFB 273 Introduction to Culture, Community, Society and Schools (Credit 3)

Field-based course that introduces the culture of schooling and classrooms for analysis within the lens of language, gender, racial, socio-economic, ethnic and academic diversity; the family as a partner in education and educational equality discussed.

TEFB 322 Teaching and Schooling in Modern Society (Credit 3)

Development, structure, management and finance of secondary schools; historical, philosophical, ethical and moral dimensions of teaching; role of school in a democratic society; teaching as a profession.

Prerequisite: Junior or senior classification.

TEFB 324 Teaching Skills II (Credit 3)

Study and development of teaching skills necessary for applying instructional strategies; teaching general strategies, assessing student learning, and analyzing and synthesizing multiple source data; emphasis given to adolescent development and cultures and to teacher and child cultures.

Prerequisites: Successful completion or concurrent enrollment in TEFB 322; junior or senior classification.

TEFB 406 Science in the Middle and Secondary School (Credit 3)

Methods course for the prospective secondary teacher in the physical and biological sciences; implementation of contemporary curricula. Phase IV, Practicum I.

Prerequisites: *Completion of Phases I, II and III of the secondary program; admission to teacher education; enrollment in science-related teaching field. Successful completion of TEFB 322 and TEFB 32. (Only offered in the Fall)*

FINANCIAL AID, SCHOLARSHIPS AND TUITION REBATES

Financial Aid

Financial aid consists of scholarships and grants, loans and part-time employment. To determine your eligibility to receive financial assistance, you must submit the Free Application for Federal Student Aid (FAFSA) each academic year. You may access the electronic version of the FAFSA online at www.fafsa.ed.gov. To contact a financial aid counselor call (979) 845-3236.

Information concerning tuition, fees, and financial aid is published in the Texas A&M University Undergraduate Catalog or online at <http://financialaid.tamu.edu/>.

Scholarships:

- **Department of Nutrition (for continuing students)**
 - Deadline: Check with the Advising Office- typically February 1st.
 - Students are recognized at the Department Banquet during Parent's Weekend.
 - Amounts vary depending on the scholarship
 - Scholarship application will be posted at <https://nutrition.tamu.edu>
- **Academy of Nutrition and Dietetics Foundation**
 - Deadline: Usually March, check website
 - Amounts range from \$500 to \$3,000
 - Must be an Academy of Nutrition and Dietetics Student Member.
 - <http://www.eatright.org>
- **Texas Academy of Nutrition and Dietetics Foundation**
 - Deadline: Usually March, check website
 - Must be a Texas Academy of Nutrition and Dietetics Student Member
 - Amounts vary
 - Go to <http://www.nutrition4texas.org/tdaf/scholarships> for more info.

Refund of Tuition and Fees

Students may drop courses during the first four days of a fall or spring semester. Refunds will not be issued for classes dropped after the 12th class day of a full semester. Please see the TAMU official academic calendar for specific dates.

Tuition Rebate

Certain undergraduate students who attempt not more than three hours in excess of the minimum number of semester credit hours required to complete the degree in the catalog under which they will graduate may be entitled to a \$1,000 rebate if they meet the criteria. Students must apply PRIOR to commencement during their last term. Several conditions apply and students must meet all specified criteria.

HELPFUL WEBSITES

- TAMU homepage: <https://www.tamu.edu/>
- Department of Nutrition: <https://nutrition.tamu.edu>
- Office of Admissions and Records: <https://www.tamu.edu/admissions/>
- Student Financial Aid: <https://finacialaid.tamu.edu/>
- Academy of Nutrition and Dietetics homepage: <http://www.eatrightpro.org/>
- Accreditation Council for Education in Nutrition and Dietetics (ACEND): <http://www.eatrightpro.org/ACEND>
- Commission on Dietetic Registration: <http://www.cdrnet.org>
- TAMU Student Organizations: <http://studentactivities.tamu.edu/>
- Office of Professional School Advising: <http://honors.tamu.edu/opsa/>
- TAMU Course Catalogs: <http://www.tamu.edu/admissions/catalogs/>
- Office of Registrar: <http://admissions.tamu.edu/registrar/>

STUDENT ORGANIZATIONS

- Nutrition and Dietetics Association (NDA)*
- AgForLife Student Association

For a list of all organizations at Texas A&M, visit <http://getinvolved.tamu.edu/>

*NDA is a campus organization composed of Nutrition majors and other students interested in nutrition. NDA meetings provide opportunities to learn about career possibilities in the nutrition and dietetics field and hear speakers on current topics in nutrition. The NDA also sponsors philanthropic and social activities, promoting member interaction. All Nutrition majors are strongly urged to join as soon as they enter the major. For more information, visit their website at <https://tamunutrition.wixsite.com/tamunda>.

TRIAL SCHEDULE

MWF	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TR
8:00						8:00
9:10						9:35
10:20						
11:30						11:10
12:40						12:45
1:50						
3:00						2:20
4:10						3:55
5:45						
						5:30

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