

PARKER UNIVERSITY

ACADEMIC CATALOG ADDENDUM

2018-2019



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Parker University
Academic Catalog Addendum
2018-2019

This addendum contains approved changes to the 2018-2019 Parker University Academic Catalog. The purpose of this addendum is to provide additional information about new programs and courses that occurred after publication of the 2018-2019 Parker University Academic Catalog. The amendments listed in this document take precedence over information contained in the 2018-2019 Parker University Academic Catalog and are effective as of the date of this publication.

ADDENDUM to Parker University 2018-2019 Catalog

Table of Contents

Application for Admission to the Associate of Applied Science with a major in Diagnostic Sonography. 4

Associate of Applied Science with a Major in Diagnostic Sonography 7

Mission 7

General Program Information..... 7

Program Goals and Objectives..... 7

Length of Program 8

Mode of Instruction..... 8

Computer Skills and Access 8

Clinical Experiences 8

Technical Standards 9

Re-admission Requirements..... 9

Physical Requirements 9

Additional Expenses 10

Standards of Appearance..... 10

Clinical Attendance 11

Degree Requirements..... 11

Graduation Requirements..... 11

License to Practice..... 12

Curriculum..... 12

Bachelor of Science Degree with a Major in Nutritional Sciences 13

Mission 13

General Program Information..... 13

Program Learning Outcomes 13

Length of Program 13

Mode of Instruction..... 14

Degree Requirements..... 14

Graduation Requirements..... 14

Curriculum..... 14

Course Descriptions 16

Application for Admission to the Associate of Applied Science with a major in Diagnostic Sonography

Admission to Parker University does not guarantee admission to a Health Sciences program

All applicants applying for admission into the Diagnostic Sonography Program must complete and meet the following requirements:

- Successfully complete all general education courses. This consists of 8 general education courses in the first 8 months considered to be the “pre-DS” of our A.A.S program. A grade of “C” or better in all courses and a minimum cumulative GPA of 3.0 (on a 4.0 scale) must be earned in order to be eligible to progress to the major curriculum of the program.
 - Prerequisite Anatomy & Physiology courses must have been taken within five years prior to admission. Proof of recent significant experience in the applications of these sciences may be considered in waiving this 5-year requirement provided the original prerequisites were completed.
- An acceptable drug screen and Level-3 criminal background screening will be required for all students beginning the program. **Students with felony charges and/or convictions may not be eligible for admission into this Allied Health Program.**
- Completion of any health discipline (ex RT, RN, LPN/LVN, PA, DC, MD) which requires licensure must submit proof of good standing.
- A personal essay stating why you chose a career in Diagnostic Sonography outlining your specific career goals in medical imaging.
- Applicants must provide proof of high school graduation or GED or an official transcript of undergraduate level study.

Step 1

Enroll in Parker University and begin taking relevant Diagnostic Sonography program pre-DS requirements. ***Admission to Parker University does not guarantee admission to a Health Sciences program.***

- The DS program considers applicants on their eligibility and completion of admission requirements.
- Students must have completed all the required 25 pre-diagnostic sonography credit hours (general course work) with a grade of “C” or better and have a minimum cumulative GPA of 3.0 (on a 4.0 scale) at the time of submission to the DS program.
- Prerequisite Anatomy & Physiology courses must have been taken within five years prior to admission. Proof of recent significant experience in the applications of these sciences may be considered in waving this 5-year requirement provided the original prerequisites were completed.
- Any student who has completed a healthcare degree (ex. RT. RN. LPN/LVN. PA. DC. MD.) which requires licensure will be required to go through the re-entry process as outlined in the Parker University catalog.

Please note: Students who do not meet the coursework requirements will not be allowed to progress to the DS curriculum. Students must earn a grade of a “C” or better in all required pre-professional courses. If a student earns a grade of a “D” or “F”, he/she must repeat the course to be eligible for admission. If the student wishes to repeat the course to continue his/her program of study, he/she will be required to go through the re-entry process as outlined in the Parker University catalog.

Please note: Students who do not meet the coursework will not be allowed to progress to the DS major curriculum. Students must earn a grade of “C” or better in all required pre-professional courses. If a student earns a grade of a “D” or “F”, he or she **must** repeat the pre-professional course to be eligible for

admission into the professional sequence of the DS program. If the student wishes to repeat a course to continue his/her program of study, he/she will be required to go through the re-entry process as outlined in the Parker University catalog.

Step 2

Collect proof of all immunization requirements before applying for DS program admission. A completed immunization form is due at the time you apply for Diagnostic Sonography program admission. Students enrolling in the DS program must have completed the immunization series. Students without proof of completed immunizations will not be allowed to continue into the program. No exceptions.

- Completed Hepatitis B Series - The Texas Department of State Health Services requires that all students enrolled in health profession programs that are exposed to blood and body fluid must have completed the Hepatitis B series prior to direct patient care. The Hepatitis B series includes three injections. The Hepatitis B is a 3-stage series that will take at least 6 months to administer. *It is suggested that students begin immunization series during Pre-DS coursework to ensure timely completion.*
- Meningitis (MV) - Texas Legislature approved Senate Bill 1107 requiring all entering University students, under the age of 22, to submit evidence of being immunized against meningococcal meningitis.
- Mumps, Measles, Rubella (MMR)
- Varicella
- Tetanus and Diphtheria
- Tuberculosis test, within the last 12 months - (If the TB test comes back positive, then results from a current annual chest x-ray will need to be provided.)

Information on vaccination requirements and exemptions can be located on the Registrar's webpage of the Parker University website at: https://my.parker.edu/ICS/Student_Services/Registrar/Forms/

Note: Clinical Fieldwork sites have the right to refuse students who have asked for exemptions from immunizations for personal or religious reasons. These cases will be handled individually.

Step 3

Write a personal essay stating why you chose a career in Diagnostic Sonography outlining your specific career goals in medical imaging.

Step 4

Read and sign all program acknowledgment and disclosure forms found on www.Parker.edu

Step 5

Complete and submit the online DS program Application which can be found on www.Parker.edu. Include all supporting documents required from Step 1, Step 2 Step 3 and Step 4.

The Diagnostic Sonography program online application and all required documentation must be submitted by the designated due date. Incomplete applications and/or requirements, in addition to applications received after the application due date will NOT be accepted. NO EXCEPTIONS. Submission of application does not guarantee an interview. Interviews will be determined by the number of applicants each year.

Application Due Date – July 1st

Diagnostic Sonography start date – September

All students applying for admission into the Diagnostics Sonography Program must complete and meet the program admission requirements.

Selection:

The number of students accepted into Diagnostic Sonography is determined by the number of appropriate clinical sites available for clinical placements throughout the length of the program. The number of students accepted may vary from year to year.

**Application to the program does not constitute admission.*

**The Selection Committee reserves the right to request interviews before the final report is generated*

Acceptance:

Students will be notified of provisional program acceptance approximately one month before the core. Acceptance into the DS program is conditional pending submission of final grades from remaining prerequisite coursework.

If accepted into the Diagnostic Sonography program the student must submit proof of health insurance, completion of CPR/BLS certification, a drug screen and evidence of a Level-3 criminal background check.

* If an applicant has been convicted of a misdemeanor or felony, the applicant may be denied acceptance to the university without further reason. If the applicant should be granted acceptance, the applicant acknowledges that he/she may not be able to obtain clinical experience, licensure in a/any state upon graduation; based on his/her criminal record and agrees that the university will not be held liable in the case of failure to progress in clinical rotation and/or achieve licensure. Failure to disclose a misdemeanor or felony to the university is grounds for dismissal.

- Once accepted into the program, it is the student's responsibility to notify the DS Program Director in writing immediately of any subsequent changes in criminal history that occur after the admission background check has been completed. Failure to disclose changes in criminal history will result in dismissal from the program.

- Drug screenings are performed as a condition of acceptance into the Diagnostic Sonography Program.

Note: Criminal Background checks/drug screens. Students will need to sign a waiver acknowledging that they may be dismissed from the program if they fail to meet the requirements to be placed in a clinical setting.

- Students must possess a current CPR for BLS Healthcare Provider Card. The student's card must not expire while participating in the Diagnostic Sonography program. If your CPR for BLS Healthcare Provider Card expires during your time in the DS program, you will be dismissed from the program.

All students offered admission will be required to provide a written acceptance to the offer.

Environmental Requirements

Interactions with patients in health care carries inherent risks to both the patient and health care provider. Students participating in the Diagnostic Sonography Program may be exposed to blood, body tissues or fluids and communicable diseases. All students are expected to provide appropriate care to all assigned patients regardless of their medical diagnosis. Some of the medical diagnoses patients may have include tuberculosis, MRSA, hepatitis A, B, or C, HIV/AIDS or other transmittable diseases. Students may also care for patients who are unidentified carriers of infectious disease. As in many health professions and programs, students may occasionally be exposed to bodily injuries and environmental hazards.

Associate of Applied Science with a Major in Diagnostic Sonography

Mission

Parker University's Associate of Science degree in Diagnostic Sonography provides students with the academic and clinical knowledge to be prepared for employment in the ultrasound field. The program will provide a progressive curriculum which will enable them to approach their career with confidence, passion, and commitment. We are constantly striving for continuing education and inspiring our students to reach their fullest potential.

General Program Information

The Diagnostic Sonography Program is designed to prepare future sonographers to critically think and problem-solve in order to meet the required examination protocol and technical needs as a whole. Focused coursework prepares students for the certification examination they will take to become registered sonographers. Employment for a sonographer may be in, but not limited to hospitals, private physician practice, imaging centers and diagnostic laboratories.

Parker University's Diagnostic Sonography Program consists of 8 general education courses, 13 technical courses, and 6 months of clinical experience courses for a total of 7 trimesters (26 months). Parker University conducts courses on a year-round basis with scheduled vacations each year. Students accepted into the Diagnostic Sonography Program are required to successfully complete all general education courses in the Pre-DS with a cumulative GPA of 3.0 (on a 4.0 scale) prior to applying to the major curriculum.

The major curriculum is designed in a sequential manner. Each program course is a prerequisite for the subsequent program course offered; therefore, successful completion of each course is a requirement for progression throughout the program. Successful completion of each course is defined as obtainment of a minimum grade of (75%). If a student fails a course, he or she will wait until the course re-sequences contingent upon not exceeding the program's maximum capacity. The student is allowed to repeat a professional course one time with two maximum course repeats. To continue satisfactory progress in the Diagnostic Sonography program, the student must achieve a minimum cumulative GPA of 2.75. If the required minimum cumulative GPA of 2.75 is not achieved, the student may be placed on probation for one term or dismissed from the program. If the student is placed on probation, the student must achieve a minimum cumulative GPA of 2.75 by the end of the next term to remain in the program. If the required minimum cumulative GPA of 2.75 is not achieved at the end of the probationary term, the student will be dismissed from the program. A student dismissed for failure to achieve a minimum cumulative GPA of 2.75 (on a 4.0 scale) is allowed a one-time opportunity to restart the program. The student has an opportunity to file an appeal to the DS review committee comprised of the DS Program Director, DS faculty member/Clinical Coordinators, College of Health Science Dean and Dean of Students.

Due to the evolving nature of the Diagnostic Sonography field, the DS curriculum is frequently reviewed and revised as needed. Students who withdraw or are dismissed due to academic failure and return to complete the program with another class, are required to test their didactic and/or laboratory skills. The student must pass with a 78% or better to re-enter or audit the class before and pass with a weighted total of 75%. Additionally, students are required to meet the graduation requirements of the class to which they return.

Program Goals and Objectives

The goal of the Diagnostic Sonography program at Parker University is to prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior)

learning domains. The goals reaffirm the program's commitment to meet the diverse needs of the students, the college and the community. By graduation the sonographer should be able to perform the following:

- Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results.
- Perform appropriate procedures and record anatomic, pathologic, and/or physiologic data interpretation by the physician.
- Record, analyze, and process diagnostic data and other pertinent observations made during the procedure of presentation to the interpreting physician.
- Exercise discretion and judgement in the performance of sonographic and/or other non-invasive diagnostic services.
- Demonstrate appropriate communication skills with patients and colleagues.
- Act in a professional and ethical manner.
- Provide patient education related to medical ultrasound and/or other non-invasive diagnostic vascular techniques and promote principles of good health.

Length of Program

The Associate of Applied Science with a major in Diagnostic Sonography is seven trimesters, twenty-six-month program (Based on full-time status). The Associate of Applied Science in Diagnostic Sonography program must be completed within nine trimesters of initial admission.

Mode of Instruction

The Associate of Applied Science degree with a major in Diagnostic Sonography will be offered through academic and clinical studies. The DS curriculum includes both on campus classroom education and clinical training. General education courses are offered on campus and online. The program curriculum encompasses both independent and collaborative learning.

Computer Skills and Access

Sonography students are required to demonstrate a variety of computer skills throughout the program. All students must be able to access the Parker University online teaching platform, Blackboard, for instruction and dissemination of information. Some Sonography courses may operate with part of the content to be completed online and the remainder of the content delivered in the on-campus setting. Students are assigned a Parker University email address upon admission to the University. Students may utilize library computers on campus to check their Parker University email accounts and to access Blackboard. Blackboard and email accounts should be checked frequently for assignments, announcements and/or messages.

Clinical Experiences

Clinical Education is an important part of the curriculum of the Diagnostic Sonography Program. Supervised clinical experience is essential for professional preparation, as it provides the students with a "hands-on" opportunity to integrate academic knowledge with clinical skills in a professional setting. Students are not allowed to receive compensation for hours worked during clinical experience. Clinical experience will consist of forty hours per week in the students' assigned clinical site. You will be graded on clinical performance just as you are classroom instruction.

*Please note that every effort will be made to provide local clinical experiences; however, students are not guaranteed local clinical placements and should expect clinical experience to be outside the area requiring traveling to and from the facility or possible relocation. Students do not have the option of choosing their clinical site or shift.

Prior to clinical experiences students will be required to provide proof of statement of good health, immunization record, medical/health insurance, CPR/BLS, drug screening and level-3 background check. *If a student has a felony or misdemeanor on their record they may not be placed in a hospital, pediatric or diagnostic imaging facility for their clinical experience. This may interfere with their ability to graduate.*

Interactions with patients in health care carries inherent risks to both the patient and health care provider. Students participating in the Diagnostic Sonography Program may be exposed to blood, body tissues or fluids and communicable diseases. All students are expected to provide appropriate care to all assigned patients regardless of their medical diagnosis. Some of the medical diagnoses patients may have include tuberculosis, MRSA, hepatitis A, B, or C, HIV or other transmittable diseases. Students may also care for patients who are unidentified carriers of infectious disease. As in many health professions and programs, students may occasionally be exposed to bodily injuries and environmental hazards.

Technical Standards

In addition to academic and performance standards, students must be able to meet and maintain the following technical standards for the purpose of admission and continuation in the program:

- Communicate Effectively- Ability to interact with patients and healthcare professionals in both written and verbal form. Be able to articulate in a clear and distinct manner procedures, instructions and oral reports.
- Cognitive- Ability to execute complex mental processes. Obtain and retain didactic knowledge including many procedures and protocols with the ability to apply this knowledge for the purpose of collecting, interpreting, and integrating information to make examination related decisions. Utilize problem-solving skills while performing sonographic procedures to establish the best diagnostic information possible.
- Coordination- Gross body coordination such as maintain balance, hand-eye coordination, arm-hand steadiness and precision. Dexterity to operate control panel while manipulating transducer simultaneously.
- Visual and Hearing- Ability to distinguish color on Doppler procedures as well as various shades of gray while performing sonograms. Hearing must be adequate to perceive and interpret equipment signals, monitor alarms, and calls for help.
- Stamina- Ability to push/pull objects in excess of fifty (50) pounds. Ability to stand during examinations and long procedures. Lift and transfer patients from wheelchair or stretcher to and from examination table. Assist patients into proper position for examination.
- Emotional Stability- Ability to adapt and function under stress. Deal with the unexpected and adapt to change. Perform multiple tasks and responsibilities concurrently. Possess a strong work ethic, compassion and integrity.

Note: Student is subject to dismissal if after admission to the Diagnostic Sonography Program it is discovered that a student cannot meet the technical standards.

Re-admission Requirements

Students who withdraw or are dismissed from the program must apply for re-admission. No preferential consideration is given to prior students for re-admission. Students will be re-admitted one time only if the cumulative GPA and programmatic requirements are met in addition to the program not exceeding maximum class capacity.

Physical Requirements

Diagnostic Sonography students must exhibit good physical health and endurance. Due to the nature of the coursework and clinical content, sufficient physical strength is required for lifting and moving patients and handling equipment in a clinical setting. Ability to stand or sit for up to eight (8) hours per day and lift

fifty (50) pounds. This may include lifting, pulling, bending and squatting. Additional requirements include but are not limited to clinical reasoning, attention to detail, efficiency, excellent hand/eye coordination, clearly distinguish color, ability to hear differences in sound and compassion. Direct patient contact may include invasive procedures and bodily fluids.

Persons with disabilities are eligible for admission, as long as, they can carry out classroom, laboratory and clinical assignments, patient intake, assessment and techniques, or the equivalent; pass written, oral and practical examinations and meet all of the requirements of the school and program. Parker University will make reasonable accommodations for disabilities. Applicants and students are welcome to discuss any disabilities that they believe will hinder completion of the curriculum. In considering a prospective or actual applicant who discloses a disability, Parker University may require an interview to determine if the individual meets the physical qualifications to complete the program. The Office of Student Services can provide more information regarding accommodations that Parker University might be able to provide.

Additional Expenses

In addition to tuition and textbooks, school supplies and fees, DS students should expect to have the following expenses:

- SDMS annual membership
- Costs to attend clinical experiences including meals, travel, parking, lab coat, scrubs, room and board if necessary and any other costs incurred with clinical education courses.
- Plain-colored (program specific) scrubs with the Parker University logo
- Trajecsys
- Name tag
- Students must provide proof of the following prior to attending clinical experiences:
- Mandatory health insurance
- Physical examination by a physician including immunizations and laboratory tests
- CPR/BLS certification (class offered at Parker University or show proof of completion)

Standards of Appearance

Proper professional dress and appearance are required. The DS program has a firm dress code guideline for all students (this includes fieldtrips and observation visits, clinical settings and campus). All attire must be well-maintained and clean at all times. General appearance encompassing conventional hairstyle and naturally occurring hair colors and conservative use of jewelry, make-up and accessories.

- Daily baths, deodorant
- Students having hair longer than collar length shall tie it back with no decorative adornment
- Beards and facial hair shall be neatly trimmed
- Perfumes, colognes, and aftershave are not allowed
- Closed toe, light-in-color, clean shoes (no cloth or shoes with air holes on the top) with socks must be worn
- Approved standardized scrubs with a plain white lab coat (optional)
- Jewelry is limited to one ring on each hand (engagement rings, wedding rings, graduation rings) and wristwatch. One small post earring on each ear permitted. No other jewelry or body piercing allowed
- Natural appearing make-up
- Fingernails – clean, neat, trimmed short; nail polish may be limited to clear or neutral shades
- Name tag
- No visible tattoos
- Plain colored (program specific) scrubs with the Parker University logo fitting appropriately
 - Neckline must not be too low
 - Pants must not be too large or small and worn at the natural waist.

Note: During Clinical placements students are to follow the established dress code for their assigned placements.

Clinical Attendance

You are expected to be at your clinical site every day except when ill or needed for an emergency in the immediate family. If more than two (2) days are required for personal illness or immediate family emergency, a conference is required between the Clinical Coordinator and the Clinical Instructor to determine opportunities and scheduling for lost days. It is at the facility's discretion and is not automatic. The facility is not obligated to let a student finish clinical rotation if it extends beyond the scheduled time period. Students withdrawn from clinical courses will be required to repeat the entire course.

Note: Up to two (2) days can be taken for illness or family emergency only. *You are not entitled to time off during clinical fieldwork.*

Notify your supervisor in advance, if you have a good reason to be absent from the location. Under **no** circumstances should you ever be absent without notifying your supervisor.

Students are expected to be located at their clinical education site and ready to scan at the time their shift begins. Example: if shift begins at 8:00 am, the student should be ready to scan at 8:00 am. If the student arrives at 8:00 am, they are not ready to scan and will be considered tardy.

Clinical rotation attendance IS not affected by a delayed class schedule or canceled classes due to inclement weather. Students should use good judgment to make every attempt to arrive at their clinical site on time if at all possible. Inclement weather does not negate the timeframe in which you must notify your supervisor if you are delayed.

Any student displaying unprofessional behavior while performing clinical experience which causes clinical instructor to request they be removed from their site may be terminated. Students displaying unprofessional behavior while performing clinical experience which causes Parker University to lose the clinical affiliation will be terminated from the program and will not be considered eligible for re-entry.

Degree Requirements

The Associate of Applied Science – Diagnostic Sonography is a 76-credit hour program which requires:

- 25 credit hours - General education - Pre- DS
- 36 credit hours – DS major curriculum
- 15 credit hours - Clinical fieldwork education

Graduation Requirements

Parker University's graduation requirements for an Associate of Applied Science with a major in Diagnostic Sonography are as follows:

- Complete the designated program of study.
- Complete all degree requirements with a grade of 75% or higher in all courses.
- Complete degree requirements with a cumulative grade point average of 2.75 or higher on a 4.0 scale.
- Are not on academic probation or subject to disciplinary sanctions at the time of graduation
- File an application for degree with the Office of Student Affairs on or before the published date during the last term of resident study. The degree will not be awarded unless the application is completed.
- Resolve all financial obligations to Parker University.
- Complete all required exit paperwork.
- Register, and take a national credentialing examination
 - ARRT or ARDMS specialty within 90 days of completing the program
 - ARDMS SPI within 30 days of competing the program

In addition, students in the Diagnostic Sonography Program must comply with all established criteria as outlined in the curriculum in order to be eligible for graduation.

License to Practice

If you attend a regional accredited school with institutional accreditation you can qualify for The American Registry of Radiologic Technologists (ARRT) Sonography certification immediately upon graduation. Registration with American Registry for Diagnostic Medical Sonography (ARDMS) requires passing the Sonography Principles & Instrumentation (SPI) Examination in addition to passing a specialty such as Abdomen or Obstetrics and Gynecology. Upon successful completion of the Basic as well as Intermediate Ultrasound Physics courses at Parker University, students will be eligible to sit for the SPI examination. There are several pathways for students to become eligible for the ARDMS specialty examination. Below you will find examples; however, the best way to view prerequisite and requirement eligibility is by visiting the ARDMS website at www.ardms.org/prep/prerequisite.asp.

- If a student holds a bachelor’s degree within the US or Canada, he/she will be eligible under prerequisite 3A to sit for the ARDMS specialty examination immediately after graduating from a sonography program provided he/she can produce the documents required on the ARDMS website.
 - Students with a bachelor’s degree from a foreign country must have their transcript evaluated by a Foreign Education Transcript Evaluation Organization.
- If a student does not hold a bachelor’s degree, typically he/she is eligible to sit for the ARDMS examination after one year of full-time paid work in the field along with required documents.
- Successful completion of the ARRT (S) permits the graduate to sit for the ARDMS specialty examination provided he/she can produce required documents.

Curriculum

ASSOCIATE OF APPLIED SCIENCE DIAGNOSTIC SONOGRAPHY

GENERAL EDUCATION CORE COURSES	25 Semester Credit Hours
DS CORE COURSES	36 Semester Credit Hours
DS CLINICAL COURSES	15 Semester Credit Hours
TOTAL	76 Semester Credit Hours

Course ID	Cr.	Course name
GENERAL EDUCATION CORE COURSES		25 Semester Credit Hours
ENGL 1301	3	English Composition – no substitutions
ENGL 2326	3	American Literature (or humanities)
MATH 1314	3	College Algebra (or Pre-Calculus or Calculus)
PHYS 1401	4	College Physics – no substitutions
PSYC 2301	3	General Psychology – no substitutions
HPRS 1106	1	Medical Terminology
BIOL 2401	4	Anatomy and Physiology I – no substitutions
BIOL 2402	4	Anatomy and Physiology II – no substitutions
DS CORE COURSES		36 Semester Credit Hours
DMSO 1310	3	Introduction to Sonography
DMSO 1351	3	Sonographic Sectional Anatomy
DMSO 1302	3	Basic Ultrasound Physics
DMSO 1342	3	Intermediate Ultrasound Physics
DMSO 1301	3	Techniques of Ultrasound

DMSO 1341	3	Abdominopelvic Sonography
DMSO 2341	3	Sonography of Abdominopelvic Pathology
DMSO 2353	3	Sonography of Superficial Structures
DMSO 2305	3	Sonography of Obstetrics/Gynecology
DMSO 2342	3	Sonography of High-Risk OB
DSVT 1303	3	Intro to Vascular
DSVT 1300	3	Principles of Vascular Technology
DS CLINICAL COURSES		15 Semester Credit Hours
DMSO 2330	3	Advanced Review
DMSO 2660 (3 months)	6	Clinical I
DMSO 2661 (3 months)	6	Clinical II

A.A.S. Degree Program Length: 26 months; Seven (7) terms of instruction.

Maximum satisfactory time frame completion: Nine (9) terms of instruction

Course order, content and credit hours is subject to change

Bachelor of Science Degree with a Major in Nutritional Sciences

Mission

The mission of the Bachelor of Science with a Major in Nutritional Sciences is to provide high quality education in nutrition that prepares graduates to utilize nutrition knowledge to become food and nutrition professionals, or to pursue additional educational opportunities.

General Program Information

The Bachelor of Science with a Major in Nutritional Sciences program is designed to prepare students for careers in public health education, food management, and nutritional research. The curriculum in the Nutritional Sciences program provides students with an opportunity to study and understand principles of food and nutritional sciences and how nutrition choices can promote and improve one's quality of life. This program will also provide pathways for students to advance to graduate degree programs within the health sciences.

Program Learning Outcomes

Parker University's Bachelor of Science in Nutritional Sciences will:

1. Prepare students to educate others about nutrition, lifestyle, wellness, and healthy living in clinical, community, and educational settings.
2. Prepare graduates to take leadership roles as nutrition professionals with knowledge of the role of both foods and herbs in promoting human health.
3. Create an important pathway for students to continue their studies in integrative health and wellness.
4. Offer students an opportunity to learn from experts in alternative health practices and pursue a wellness-based career.

Length of Program

The degree may be offered through campus and web-based instructional formats and may be completed in 10 terms with a maximum satisfactory time frame for completion of 15 terms. The curriculum will include: 30 semester credit hours of general education courses, 22 semester credit hours

of core science coursework, 51 semester credit hours of nutrition core requirements, and 21 semester credits in electives.

Mode of Instruction

The Bachelor of Science degree with a major in Nutritional Sciences will be offered through campus and web-based distance instructional formats.

Degree Requirements

The Bachelor of Science with a major in Nutritional Sciences requires a minimum of 124 semester credit hours of coursework which are as follows:

- 30 Credit hours in General Education courses
- 22 Credit hours in Core Science Coursework
- 51 Credit hours in Nutrition Core Courses
- 21 Credit hours in Electives

The Bachelor of Science in Nutritional Sciences program must be completed within 15 terms.

Graduation Requirements

To earn a Bachelor of Science with a major in Nutritional Sciences from Parker University, students must accomplish the following:

- Complete the designated program of study.
- Complete degree requirements with a cumulative grade point average of 2.0 or higher on a 4.0 scale.
- File an application for the degree with the Office of the Registrar on or before the published date during the last term of resident study. The degree will not be awarded unless the application is completed.
- Resolve all financial obligations to Parker University.
- Complete all required exit paperwork.

Students cannot be on academic probation or subject to disciplinary sanctions at the time of graduation.

Curriculum

BACHELOR OF SCIENCE DEGREE NUTRITIONAL SCIENCES

GENERAL EDUCATION CORE COURSES	30 Semester Credit Hours
CORE SCIENCE COURSEWORK	22 Semester Credit Hours
NUTRITION CORE COURSES	51 Semester Credit Hours
ELECTIVES	21 Semester Credit Hours
TOTAL	124 Semester Credit Hours

GENERAL EDUCATION CORE COURSES			Complete (30) Semester Credit Hours
Course ID	Cr.	Course Name	
COMMUNICATION			Complete (6) Semester Credit Hours
ENGL 1301	3	English Composition I	
ENGL 1302	3	English Composition II	
MATHEMATICS			Complete (3) Semester Credit Hours
MATH 1314	3	College Algebra	
SOCIAL & BEHAVIORAL SCIENCES			Complete (15) Semester Credit Hours

Social & Behavioral Sciences	3	Choose from: Psychology, Human Growth Sociology, or Other
HIST 1301	3	United States History I
HIST 1302	3	United States History II
GOVT 2305	3	Federal Government
GOVT 2306	3	Texas Government
HUMANITIES		Complete (3) Semester Credit Hours
ENGL 2326	3	American Literature
MUSI 1306	3	Music Appreciation
COMPUTER LITERACY		Complete (3) Semester Credit Hours
COSC 1301	3	Introduction to Computing
BCIS 1301	3	Fundamental of Computer Information Systems
CORE SCIENCE COURSEWORK		Complete (22) Semester Credit Hours
CHEM 1411	4	General Chemistry I
BIOL 2401	4	Anatomy & Physiology I
BIOL 2402	4	Anatomy & Physiology II
BASC 4315	3	Biochemistry I
BASC 4305	3	Microbiology/Immunology
BASC 4401	4	Biology of Cells and Tissues
NUTRITIONAL SCIENCES CORE COURSES		Complete (51) Semester Credit Hours
NUTR 2301	3	Introduction to Nutrition I
NUTR 2302	3	Nutrition II
KINE 2364	3	Introduction to Physical Fitness & Wellness
NUTR 2310	3	Food Science & Systems
KINE 2304	3	Personal/Community Health
NUTR 2315	3	Nutritional Assessment
NUTR 2317	3	Nutrition and Physiology
BIOL 2322	3	Nutrition & Diet Therapy
NUTR 3301	3	Nutrition Counseling & Education
IHCR 3307	3	Functional Nutrition
IHCR 3367	3	Herbology and Botany
NUTR 3370	3	Nutrition in the Life Span
RSMT 3351	3	Experimental Methods & Research Design: Special Topics
IHCR 3369	3	Nutrition for Healthy Aging
IHCR 3357	3	Dietary Influences on Health and Disease
HCMG 4307	3	Cultural Competence in Healthcare
CPST 4351	3	Capstone Project: Special Topics/Interests

Course Descriptions

DMSO 2660 - Clinical I & DMSO 2661 – Clinical II

A Health-related work-based learning experience that enables the student to apply specialized occupation theory, skills, and concepts. Direct supervision is provided by the clinical professional.

NUTR 2301 Introduction to Nutrition I – 3 Credit hours

This course will provide an introduction to human nutrition. Students will be instructed in the function and requirements of all nutrients. Emphasis is placed on the nutritional needs throughout the life cycle.

Prerequisite(s): None

NUTR 2302 Nutrition II – 3 Credit hours

This course will provide an overview of nutrition, diet, lifestyle and health. This includes consideration of the nutritional requirements of a healthy human throughout the life stages, as well as specific requirements in the instance of food allergy and food intolerance. Nutrition, lifestyle factors and chronic disease are a focus of this course.

Prerequisite(s): None

NUTR 2310 Food Science & Systems – 3 Credit hours

This course focuses on the fundamental biological, chemical and physical scientific principles associated with the study of foods; topics include food composition and nutrition, food additives and regulations, food safety and toxicology, food processing, food engineering, food biotechnology, product development and sensory evaluation.

Prerequisite(s): NUTR 2301

NUTR 2315 Nutritional Assessment – 3 Credit hours

This course introduces the methods and approaches for conducting nutrition assessment of individuals and populations throughout the lifecycle. The course is structured into three assessment components: dietary, biochemical, and body size and body composition.

Prerequisite(s): NUTR 2302

NUTR 2317 Nutrition and Physiology – 3 Credit hours

This course integrates the study of nutrition with other biological sciences, focusing on cellular and molecular physiological processes related to digestion, absorption, transport, and metabolism of nutrients and other dietary components.

Prerequisite(s): Completion of Core Science Coursework

NUTR 3301 Nutrition Counseling & Education – 3 Credit hours

This course covers theory and practice of food and nutrition communications in dietetics. Students will gain experience in nutritional counseling and interviewing, employee training and nutritional education materials development, public speaking, and media presentation strategies.

Prerequisite(s): None

IHCR 3367 Herbology and Botany – 3 Credit hours

This course provides an introduction to the study of herbs, ranging from weeds to culinary flavoring, to medicines. It includes the principles of herbal medicine, the properties of herbs and indications for use of selected herbs.

Prerequisite(s): None

NUTR 3370 Nutrition in the Life Span – 3 Credit hours

This course investigates how nutrition requirements and challenges change throughout the human lifecycle and how alteration in nutritional requirements impact on human health. The course will begin by investigating the influence of nutrition prior to and during conception.

Prerequisite(s): None

RSMT 3351 Experimental Methods & Research Design: Special Topics – 3 Credit hours

This course presents a framework and process for conducting qualitative, quantitative, and mixed methods research in the fields of sustainability and environmental management. The course begins with an overview of research approaches, an assessment of the use of theory in research approaches, and reflections regarding the importance of writing and ethics in scholarly research. Prerequisite(s): None