

# UNDERGRADUATE ACADEMIC CATALOG

## 2021-2022 EDITION



### **Baptist Health Sciences University**

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The Baptist Health Sciences University at 1003 Monroe Avenue, Memphis, TN 38104 maintains an academic environment free of discrimination, including harassment. Discrimination, harassment and retaliation on the basis of race, color, national or ethnic origin, sex, disability, or age are prohibited in the University's programs and activities. The Vice President of Administrative Services, Dr. Adonna Caldwell, is the designated University official responsible for handling any complaints related to discrimination, harassment and/or retaliation. She may be contacted at 901-572-2592 or at [Adonna.caldwell@baptistu.edu](mailto:Adonna.caldwell@baptistu.edu). Dr. Caldwell's office is located in 1115 Union Avenue, Memphis TN 38104, Room 201A

Baptist Health Sciences University is an equal opportunity educational institution.

Baptist Health Sciences University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the Doctor of Nursing Practice, Bachelor of Science in Nursing, the Bachelor of Health Sciences, and the Associate of Science. Contact the Southern Association of Colleges and Schools Commission on Colleges, 1866 Southern Lane, Decatur, GA 30033-4097, telephone 404-679-4500, at <http://www.sacscoc.org> for questions about the accreditation of Baptist Health Sciences University. Normal inquiries about the institution, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to the institution and not to the Commission's office.

Disclaimer: Baptist Health Sciences University reserves the right to change, remove, or supplement any material contained in this Catalog as necessary and at any time. Any changes, removals, or supplementation to the Catalog shall apply to both current and new students. Once a student withdraws or is dismissed from Baptist University, the student has one trimester from the date of withdrawal or dismissal to exercise any rights granted by this Catalog.



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# ACADEMIC CALENDARS

## Fall Trimester 2021

Date	Event
August 31, 2021	Tuition and Fee Payment Deadline
September 1, 2021	Late Tuition and Fee Payment Assessment
September 2, 2021	Trimester and Mini-Term 1 Begins
September 6, 2021	Labor Day. <b>No Classes.</b>
September 13, 2021	Last Day to Add/Drop a Course (Trimester and Mini-Term 1)
September 13, 2021	Convocation
September 20, 2021	Last Day to Withdraw from a Mini-Term 1 Course with a grade of "W"
October 1, 2021	Last Day to Remove the grade of "I" from Summer 2021
October 5, 2021	Last Day to Withdraw from a Trimester Course with a grade of "W"
October 11, 2021	Last Day to Withdraw from a Mini-Term 1 Course with a grade of "WP"
October 21, 2021	Midterm/Mini-Term 1 Ends
October 22, 2021	Mini-Term 2 Begins
October 25, 2021	Midterm and Mini-Term 1 grades due to the Registrar
Oct 25 – Nov 6, 2021	Advising for Spring Term Registration
October 29, 2021	Last Day to Add/Drop a Mini-Term 2 Course
November 8, 2021	Last Day to Withdraw from a Mini-Term 2 Course with a grade of "W"
November 8, 2021	Registration for Spring Term Begins
November 16, 2021	Last Day to Withdraw from a Trimester Course with a grade of "WP"
November 25-27, 2021	Thanksgiving Recess. <b>No Classes.</b>
December 1, 2021	Last Day to Withdraw from a Mini-Term 2 Course with a grade of "WP"
December 6, 2021	Last Day of New Course Content
December 7-13, 2021	Final Exams
December 9, 2021	Graduating Senior Final Grades due to the Registrar
December 13, 2021	Trimester and Mini-Term 2 Ends. Degree conferral date
December 15, 2021	Final Grades due to the Registrar
December 16, 2021	Commencement Rehearsal and Commencement Ceremony

## Spring Trimester 2022

Date	Event
January 3, 2022	Tuition and Fee Payment Deadline
January 4, 2022	Late Tuition and Fee Payment Assessment
January 5, 2022	Trimester and Mini-Term 1 Begins
January 12, 2022	Last Day to Add/Drop a Course (Trimester and Mini-Term 1)
January 17, 2022	Martin Luther King Day. <b>No Classes.</b>
January 21, 2022	Last Day to Withdraw from a Mini-Term 1 Course with a grade of "W"
February 2, 2022	Last Day to Remove the grade of "I" from Fall 2021
February 7, 2022	Last Day to Withdraw from a Trimester Course with a grade of "W"
February 11, 2022	Last Day to Withdraw from a Mini-Term 1 Course with a grade of "WP"
February 22, 2022	Midterm/Mini-Term 1 Ends
February 23, 2022	Mini-Term 2 Begins
February 24, 2022	Midterm and Mini-Term 1 grades due to the Registrar
Feb 28 – March 12, 2022	Advising for Summer Term Registration
March 2, 2022	Last Day to Add/Drop a Mini-Term 2 Course
March 7, 2022	Faculty and Staff Honors Convocation
March 10, 2022	Last Day to Withdraw from a Mini-Term 2 Course with a grade of "W"
March 14, 2022	Registration for Summer Term Begins
March 21, 2022	Last Day to Withdraw from a Trimester Course with a grade of "WP"
March 31, 2022	Last Day to Withdraw from a Mini-Term 2 Course with a grade of "WP"
April 5, 2022	Last Day of New Course Content
April 6 – 12, 2022	Final Exams
April 7, 2022	Graduating Senior Final Grades due to the Registrar
April 12, 2022	Trimester and Mini-Term 2 Ends. Degree conferral date
April 14, 2022	Final Grades due to the Registrar
April 14, 2022	Commencement Rehearsal and Commencement Ceremony

## Summer Trimester 2022

<b>Date</b>	<b>Event</b>
April 26, 2022	Tuition and Fee Payment Deadline
April 27, 2022	Late Tuition and Fee Payment Assessment
April 28, 2022	Trimester and Mini-Term 1 Begins
May 5, 2022	Last Day to Add/Drop a Course (Trimester and Mini-Term 1)
May 13, 2022	Last Day to Withdraw from a Mini-Term 1 Course with a grade of "W"
May 26, 2022	Last Day to Remove the grade of "I" for Spring 2022
May 30, 2022	Memorial Day. <b>Classes in Session.</b>
May 30, 2022	Last Day to Withdraw from a Trimester Course with a grade of "W"
June 3, 2022	Last Day to Withdraw from a Mini-Term 1 Course with a grade of "WP"
June 15, 2022	Midterm/Mini-Term 1 Ends
June 16, 2022	Mini-Term 2 Begins
June 17, 2022	Midterm and Mini-Term 1 grades due to the Registrar
June 20 – July 2, 2022	Advising for Fall Term Registration
June 23, 2022	Last Day to Add/Drop a Mini-Term 2 Course
July 1, 2022	Last Day to Withdraw from a Mini-Term 2 Course with a grade of "W"
July 4 - 9, 2022	Summer Recess. No Classes.
July 11, 2022	Registration for Fall Term Begins
July 18, 2022	Last Day to Withdraw from a Trimester Course with a grade of "WP"
July 29, 2022	Last Day to Withdraw from a Mini-Term 2 Course with a grade of "WP"
August 3, 2022	Last Day of New Course Content
August 4 - 10, 2022	Final Exams
August 4, 2022	Graduating Senior Final Grades due to the Registrar
August 10, 2022	Trimester and Mini-Term 2 Ends. Degree conferral date
August 11, 2022	Commencement Rehearsal and Commencement Ceremony
August 12, 2022	Final Grades due to the Registrar

## GENERAL INFORMATION

### Rose Temple Distinguished Faculty 2021



***Distinguished Faculty 2021***

***Kira Anderson***

***Chair of Respiratory Care and Assistant Professor, Allied Health***

Ms. Anderson lives out her Christian life in her work at the University as well as her church. She has gone on many of the University-sponsored mission trips. She is active in faculty governance, had leadership role in the PULSE QEP and facilitated a number of IPE initiatives. Kira has prompted and presented IPE work at the local, regional, and national level to showcase undergraduate efforts with this initiative. She also engages in community service through health fairs and professional presentation and includes students in these event. She is active in the regional and state level of the American Association for Respiratory Care and has been a site visitor for Commission on Accreditation for Respiratory Care. Kira exemplifies collaboration and teamwork and loves to contribute as well as gain insight from others. Her nominators stated that she engages with other faculty to coordinate and facilitate the optimal learning for her students.

## Rose Temple Distinguished Staff 2021



***Distinguished Staff 2021***  
***Brenda McMillen***  
***Secretary, Nursing***

Brenda consistently demonstrates sensitivity to the needs of others, including students, faculty and University staff. She work collaboratively with other and uses her strengths to ensure operational efficiency and personal improvement. Her nominator noted her creativity and innovation in completion of her assignments. She completes her task with a smile, enthusiasm, willingness to go any extra mile, and works to ensure optimal preparedness. Brenda understand the mission of the University and displays collaboration and teamwork with every encounter.



## Rose Temple Distinguished Adjunct Faculty 2021



### ***Distinguished Adjunct Faculty 2021***

***Brenda Buckley***

***Adjunct Faculty, Nursing***

Ms. Buckley is a 2003 graduate of Baptist College of Health Sciences RN-BSN completion program. She continued her education at Central Michigan University and completed her Master's of Science in Health Care Administration. She is a team player and an essential faculty member for the Division of Nursing. Her commitment to achievement of course learning outcomes for the beginning nursing student is demonstrated by her kind and constructive feedback. She has been a consistent and reliable faculty member who is a calming influence to student and shares a wealth of information about patient care to her students. Other faculty have described her as a blessing, fantastic, gracious, pleasant, caring and compassionate. She has 35+ years in the clinical setting as a Registered Nurse and Nurse Educator for outpatient and inpatient settings at the Regional Medical Center. Her career history clearly reflects a calling to the profession of nursing and she serves her community with dedication and love for the profession.

## Spirit Award 2021



***Spirit Award 2021  
Caryn Schmitz  
Counselor, Student Services***

Caryn embodies the qualities of a BHSU team member as she has a student first perspective and is devoted to innovation and continuous improvement. She is incredibly in tune with the students. Her nominator stated she went above and beyond to mentor and advocate for the students. Her involvement in the University community is unmatched. She has a team-based and selflessness attitude. Her positivity and service demonstrate her University Spirit.

## MISSION

**Baptist Health Sciences University prepares graduates for careers of service and leadership by providing a comprehensive health sciences education within an integrated environment of learning and Christian principles.**

Building on the legacy of education since 1912, Baptist University is a private institution which seeks to attract a diverse student population who shares commitments to Christian values and ethics, academic excellence, and lifelong professional development. In response to the trust expected of institutions preparing future health care professionals, the academically rigorous environment requires students' active engagement in learning through a variety of instructional modes.

In partnership with Baptist Memorial Health Care, Baptist University extends the learning environment beyond the classroom to include experiences found in health care settings throughout the Mid-South.

To fulfill its mission, Baptist Health Sciences University is committed to:

- Educating individuals to value competence, caring and collaboration in their roles as members of the interprofessional health care team.
- Developing students to become engaged learners, scholars and leaders in their chosen professions.
- Creating a collaborative and supportive learning environment in which students are encouraged to develop intellectually, socially, and spiritually.
- Providing a curriculum that reflects a strong general education and scientific foundation.
- Promoting and rewarding excellence in teaching, professional practice and scholarly activity.
- Contributing positively to the health status of the community.
- Fostering an atmosphere of respect for cultural diversity and the dignity of all persons.

## VISION

To be distinguished regionally for innovation and excellence in health sciences education which prepares graduates to transform health care.

## VALUES

The shared values of our learning community are:

- **Integrity**  
Aspiration Statement: Baptist Health Sciences University models high ethical standards in all aspects of learning, teaching, service, and business.
- **Professionalism**  
Aspiration Statement: Baptist Health Sciences University provides an environment that promotes the competence, character, and commitment of faculty, staff and students to their careers and vocations.
- **Service as an expression of Christian values**  
Aspiration Statement: Baptist Health Sciences University fosters a Christian environment where servant leadership is modeled in all aspects of learning, teaching, service, and business.
- **Continuous Improvement**  
Aspiration Statement: Baptist Health Sciences University strives to be innovative and promotes ongoing assessment as a means to achieve organizational and personal excellence.

## NON-DISCRIMINATION POLICY

It is the policy of Baptist University to maintain an academic environment free of discrimination, including harassment. Discrimination, harassment and retaliation on the basis of, race, color, national or ethnic origin, sex, disability, or age are prohibited in Baptist University's programs and activities. The Vice President of Administrative Services, Dr. Adonna Caldwell, is the designated University official responsible for handling any complaints related to discrimination, harassment and/or retaliation.

If you believe you are a victim of discrimination, harassment and/or retaliation you may contact Dr. Adonna Caldwell, Vice President of Administrative Services, at 901-572-2592, 1115 Union Avenue, Memphis TN 38104, Room 201A or by e-mail at Adonna.Caldwell@baptistU.edu, and/or file a complaint using Baptist University's grievance procedures. Information on the grievance procedures can be found in the Student Handbook, Faculty & Staff Handbook, and Baptist University's intranet and website.

## FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

Baptist University complies with the Family Educational Rights and Privacy Act (FERPA) of 1974. Student rights covered by this Act include the right to:

- Inspect and review information contained in educational records. Request amendment of educational records.
- Consent to disclosure, with certain exceptions specified in the Act.
- Secure a copy of the University policy.
- File complaints with the Department of Education concerning alleged failure to comply with this Act.

The policy statement and procedure for accessing records is included in the Student Handbook.

## CONSUMER PROTECTION

Complaints relating to quality of education or accreditation requirements shall be referred to the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). (<https://sacscoc.org/app/uploads/2019/07/complaintpolicy.pdf>)

Complaints related to the application of state laws related to approval to operate or licensure of a particular professional program within a postsecondary institution shall be referred to the appropriate State Board (i.e. State Boards of Health, State Board of Education, and so on) within the Tennessee State Government and shall be reviewed and handled by that licensing board (<http://www.tn.gov>, and then search for appropriate division).

For students attending programs in Tennessee, complaints related to state consumer protection laws (e.g., laws related to fraud or false advertising) shall be referred to the Tennessee Division of Consumer Affairs and shall be reviewed and handled by that Unit (<http://www.tn.gov/consumer>).

Complaint Resolution Policies and Procedures for Non-Tennessee Resident Students in **State Authorization Reciprocity Agreement States**, commonly known as SARA.

- Student complaints relating to consumer protection laws that involve distance learning education offered under the terms and conditions of the State Authorization Reciprocity Agreement (SARA), must first be filed with the institution to seek resolution.
- Complainants not satisfied with the outcome of the Institution's internal process may appeal, within two years of the incident about which the complaint is made, to the Tennessee Higher Education Commission (<https://www.tn.gov/thec/bureaus/student-aid-and-compliance/postsecondary-state-authorization/request-for-complaint-review.html>).
- For purposes of this process, a complaint shall be defined as a formal assertion in writing that the terms of SARA or the laws, standards or regulations incorporated by the SARA Policies and Standards (<http://www.nc-sara.org/content/sara-manual>) have been violated by the institution operating under the terms of SARA.

# ADMISSIONS

## Admissions Staff

Name	Title
Marilissa Morgan	Director of Admissions
Paula Bingham	Admissions Officer
Christopher Cotton	Admissions Officer
Zac Cox	Admissions Officer
Jennifer Fisackerly	Admissions Officer
Gwendolyn McGrew	Secretary

## UNDERGRADUATE ADMISSION TO THE UNIVERSITY

Baptist University seeks academically well prepared, highly motivated students who are interested in careers in health sciences. **Admission is based on a variety of criteria including grade point averages and standardized test scores.**

**Admission to the University:** The number of applicants admitted to Baptist University during any academic term may be limited. Thus, the admission/selection process is competitive. Minimum criteria for admission to Baptist University are specified; however, meeting the criteria in no way guarantees admission. Students who do not meet the minimum criteria by the published deadlines will not be considered for admission. Applicants with a GED will complete the admission process as a transfer student with 30 or more hours of college level credit. Home school applicants will be considered on an individual basis.

**Selection to the Program:** Students must be admitted to Baptist University in order to be considered for selection to a professional program. Admission to the University does not guarantee selection to a professional program. Selection criteria for entry into a professional program are determined by each program. For selection criteria required for each professional program, please refer to that program in this catalog, or log onto [www.baptistu.edu](http://www.baptistu.edu) to review the criteria for each academic program.

## DEADLINES

### Fall Deadlines

**March 1:** Priority Admissions Deadline.

**May 1:** Final Admissions Deadline. Applicants who meet the admission criteria by May 1 will be considered for admission based on available openings.

### Spring Deadlines

**September 1:** Priority Admissions Deadline.

**October 1:** Final Admissions Deadline. Applicants who meet the admission criteria by October 1 will be considered for admission based on available openings.

### Summer Deadlines

**March 1:** Final Admissions Deadline. Applicants who meet the admission criteria by March 1 will be considered for admission based on available openings.

**Freshmen Applicants (0-29 Hours)**

The freshman applicant with 0-29 hours of college level credit must:

1. Graduate from an accredited high school.
2. Submit the high school transcript.
3. Complete the following high school courses with a grade of "C" (2.0 on a 4.0 grade-point scale) or above in each course:
  - English: 4 credits required
  - College Preparatory Math (algebra, geometry, calculus, or trigonometry): 2 credits required
  - Laboratory Science (from biology, chemistry, or anatomy & physiology): 2 credits required
4. Submit an application for admission with a \$25.00 non-refundable application fee.
5. Submit ACT and/or SAT scores. The Baptist University ACT code is 3949 and SAT code is 6548.
6. Earn a high school GPA and ACT composite score or SAT total score acceptable for admission to the university. This will be determined by a combination of test scores and high school GPA.

Sliding Scale for ACT/SAT and High School GPA:

ACT/SAT	High School GPA
18/970	2.85
19/1010	2.80
20/1040	2.75
21/1080	2.70
22/1110	2.65

7. Submit transcripts from all colleges attended.
  - Transcripts from colleges/universities outside of the United States must be accompanied by an official evaluation by WES (World Education Services) or ECE (Educational Credential Evaluators).
8. Earn a cumulative grade point average of 2.70 (4.0 grade-point scale) on all college work (not just transfer hours accepted) from a regionally-accredited college or university. Applicants must be in good standing and eligible to return to any institution previously attended. Additionally, if applying to a like program, students transferring from another nursing or allied health program must submit a letter of good standing from the dean or director of that professional program.
9. Submit final official transcripts. The final high school transcript must verify date of high school graduation and the final grade point average. The final college transcript must verify final grades from the semester currently attending.
10. Comply with the citizenship/residency requirement for all applicants. (Refer to the section Citizenship/Residency Requirement below).
11. Upon acceptance to Baptist University:
  - Submit a \$100.00 non-refundable enrollment fee when registering for new student orientation.
  - Submit a background check prior to registration for classes. For more information, see the section on Criminal Background Checks.
  - Attend new student orientation. Dates for orientation will be sent upon acceptance to the University.
  - Submit the student health form provided by Baptist University upon acceptance to the University. This form includes all required immunizations.

**Transfer Applicants (30+ Hours)**

The transfer applicant with 30+ hours of college level credit must:

1. Submit transcripts from all colleges attended.
  - Transcripts from colleges/universities outside of the United States must be accompanied by an official evaluation by WES (World Education Services) or ECE (Educational Credential Evaluators).
2. Earn a cumulative grade point average of 2.70 (4.0 grade-point scale) on all college work (not just transfer hours accepted) from a regionally-accredited college or university. Applicants must be in good standing and eligible to return to any institution previously attended. Additionally, if applying to a like program, students transferring from another nursing or allied health program must submit a letter of good standing from the dean or director of that professional program.
3. Submit an application for admission with a \$25.00 non-refundable application fee.
4. Submit final college transcripts verifying final grades from the semester currently attending.
5. Comply with the citizenship/residency requirement for all applicants. (Refer to the section Citizenship/Residency Requirement).

6. Upon acceptance to Baptist University:
- Submit a \$100.00 non-refundable enrollment fee when registering for new student orientation.
  - Submit a background check prior to registration for classes. For more information, see the section on Criminal Background Checks.
  - Attend new student orientation. Dates for orientation will be sent upon acceptance to the University.
  - Submit the student health form provided by Baptist University upon acceptance to the University. This form includes all required immunizations.

## CITIZENSHIP/RESIDENCY REQUIREMENT

Applicants to Baptist University must either be a United States citizen or a Permanent Resident. All Baptist University applicants whose native tongue is not English will be required to submit, as part of their admission requirement, a TOEFL score of 550 or above. For applicants whose native tongue is not English and who have graduated from a U.S. high school, the TOEFL will not be required.

To confirm the countries whose native tongue is English, the following website will be used by Baptist University admissions officers to determine native tongue. Click on the link; select the appropriate country; then select people and society.

<https://www.cia.gov/the-world-factbook/field/languages/>

If an applicant has extenuating circumstances regarding this requirement, a request for review must be submitted to the Admissions Office.

The Test of English as a Foreign Language (TOEFL) measures the ability of students whose native tongue is not English as it is spoken, written, and heard in college/university settings. Students who have TOEFL scores over a year old will be required to submit new scores. The TOEFL is provided by the Educational Testing Service (ETS).

## EARLY ADMISSION

Applicants may apply for Early Admission to Baptist University during the junior year in high school and be accepted to begin classes after completion of the junior year.

If accepted, the applicant may be allowed to take courses during the summer only, and then return to high school as a senior, or he/she may take courses at Baptist University concurrent with the high school senior year.

The requirements for admission are:

- Completion of the junior year of high school. (Dual Enrollment students may be considered before their senior year on an individual basis and must be approved by both Baptist University and the student's high school.)
- Must meet the required ACT/SAT score and GPA as stated in the admissions criteria for freshmen with 0-29 college hours.
- Must include 3 English, 3 math, and 2 laboratory science courses with a grade of "B" (3.0) or better.
- A letter of request from the prospective student outlining the reason for requesting Early Admission.
- Letters of support from parent/guardian and high school principal or counselor.

In order to complete the formal application process for admission to Baptist University, upon graduation, all admission criteria and other enrollment requirements must be met. Early Admission students will be eligible for academic scholarships designated for "new" freshmen once all freshman admissions criteria have been met.

## HEALTH ADMINISTRATION COMPLETION PROGRAM

The Health Administration Completion Program applicant must meet the following admission requirements:

1. Submit transcripts from all colleges attended.
  - Transcripts from colleges/universities outside of the United States must be accompanied by an official evaluation by WES (World Education Services) or ECE (Educational Credential Evaluators).
2. Complete 60 hours of college level credit from a regionally accredited college/university. Of the 60 hours, 24 hours must transfer toward the general education core curriculum.
3. Earn a minimum cumulative GPA of 2.50 (4.0 grade-point scale) on all college credit earned.
4. Submit an application for admission with a \$25.00 non-refundable application fee.
5. Submit a final official college transcript verifying final grades from the semester currently attending.
6. Participate in an admissions interview.
7. Complete English Composition I prior to acceptance into the program.
8. Comply with the citizenship/residency requirement for all applicants. (Refer to the section Citizenship/Residency Requirement).
9. Upon acceptance to Baptist University:
  - Submit a \$100.00 non-refundable enrollment fee.
  - Submit a background check prior to registration for classes. For more information, see the section on Criminal Background Checks.
  - Attend orientation. Dates for orientation will be sent upon acceptance to the University.
  - Submit the student health form provided by Baptist University upon acceptance to the University. This form includes all required immunizations.

## MEDICAL LABORATORY TECHNICIAN – BACHELOR OF HEALTH SCIENCES (MLT-BHS) MEDICAL LABORATORY SCIENCE COMPLETION PROGRAM

The Medical Laboratory Science (MLS) applicant must:

1. Graduate from an accredited MLT program with a cumulative grade point average of 2.50 (4.0 grade-point scale).
2. Submit transcripts from all colleges attended.
  - Transcripts from colleges/universities outside of the United States must be accompanied by an official evaluation by WES (World Education Services) or ECE (Educational Credential Evaluators).
3. Earn a cumulative grade point average of 2.50 (4.0 grade-point scale) on all college work (not just transfer hours accepted) from a regionally-accredited college or university. MLT-BHS applicants must be in good standing and eligible to return to any institution previously attended.
4. Submit an application for admission with a \$25.00 non-refundable application fee.
5. Submit a final official college transcript verifying final grades from the semester currently attending.
6. Successful completion of the MLT national certification.
7. Comply with the citizenship/residency requirement for all applicants. (Refer to the section Citizenship/Residency Requirement).
8. Upon acceptance to Baptist University:
  - Submit a \$100.00 non-refundable enrollment fee.
  - Submit a background check prior to registration for classes. Licensed professionals currently employed in their field will not be required to have an additional background check at the time of enrollment. For more information, see the section on Criminal Background Checks.
  - Attend orientation. Dates for orientation will be sent upon acceptance to the University.
  - Submit the student health form provided by Baptist University upon acceptance to the University. This form includes all required immunizations.



## REGISTERED RESPIRATORY THERAPIST – BACHELOR OF HEALTH SCIENCES (RRT-BHS) RESPIRATORY CARE COMPLETION PROGRAM

Students may apply to begin the RRT-BHS completion program in either fall, spring or summer trimester. The RRT-BHS applicant must:

1. Submit an application for admission with a \$25.00 non-refundable application fee.
2. Graduate from a CoARC accredited respiratory care program with a cumulative grade point average of 2.50 (4.0 grade-point scale).
3. Submit transcripts from all colleges attended.
  - Transcripts from colleges/universities outside of the United States must be accompanied by an official evaluation by WES (World Education Services) or ECE (Educational Credential Evaluators).
4. Earn a cumulative grade point average of 2.50 (4.0 grade-point scale) on all college work (not just transfer hours accepted) from a regionally accredited college or university. RRT-BHS applicants must be in good standing and eligible to return to institutions previously attended.
5. Submit a final official college transcript verifying final grades from the semester currently attending.
6. Hold an active RRT credential and be currently licensed to practice respiratory care.
7. Comply with the citizenship/residency requirement for all applicants. (Refer to the section Citizenship/Residency Requirement).
8. Upon acceptance to Baptist University:
  - Submit a \$100.00 non-refundable enrollment deposit.
  - Attend orientation. Dates for orientation will be sent upon acceptance to the University.
  - Submit a background check prior to registration for classes. Licensed professionals currently employed in their field will not be required to have an additional background check at the time of enrollment. For more information, see the section on Criminal Background Checks.
  - Submit the student health form provided by Baptist University upon acceptance to the University. This form includes all required immunizations.

## REGISTERED NURSE – BACHELOR OF SCIENCE IN NURSING (RN-BSN) COMPLETION PROGRAM

The RN-BSN applicant must:

1. Graduate from an accredited nursing program with a cumulative grade point average of 2.50 (4.0 grade-point scale).
2. Submit transcripts from all colleges attended.
  - Transcripts from colleges/universities outside of the United States must be accompanied by an official evaluation by WES (World Education Services) or ECE (Educational Credential Evaluators).
3. Earn a cumulative grade point average of 2.50 (4.0 grade-point scale) on all college work (not just transfer hours accepted) from a regionally accredited college or university. RN-BSN applicants must be in good standing and eligible to return to any institution previously attended.
4. Submit an application for admission with a \$25.00 non-refundable application fee.
5. Hold an active, unencumbered RN license or be eligible to apply for licensure as a registered nurse.
6. Submit a final official college transcript verifying final grades from the semester currently attending.
7. Comply with the citizenship/residency requirement for all applicants. (Refer to the section Citizenship/Residency Requirement).
8. Upon acceptance to Baptist University:
  - Submit a \$100.00 non-refundable enrollment deposit.
  - Submit a background check prior to registration for classes. Licensed professionals currently employed in their field will not be required to have an additional background check at the time of enrollment. For more information, see the section on Criminal Background Checks.
  - Attend orientation. Dates for orientation will be sent upon acceptance to the University.
  - Submit the student health form provided by Baptist University upon acceptance to the University. This form includes all required immunizations.

## CREDIT FOR PRIOR LEARNING/EXPERIENTIAL LEARNING

Credit for Prior Learning (CPL) is the process of earning college credit for college-level learning acquired from other sources, such as work experience, professional training, military training, and/or knowledge/skills associated with professional licensure/certification processes. CPL options include *Credit for Training Credit by Exam, Competency-Based Behavioral Assessment, Block Credit, and Credit by Portfolio*.

- The awarding of CPL at Baptist University requires that students demonstrate their knowledge and/or skills specific to course outcomes.
- Course(s) for which may be granted CPL as well as the specific CPL option(s) affiliated with such courses are designated in the University catalog.
- The maximum number of credit hours that a student may earn through the CPL option is determined by the individual degree program requirements identified by the Program Chair, and approved by the respective division Dean.
- Approval of CPL by certification and licensure must be through either a state-recognized professional license or nationally-recognized certification or registration.
- Regardless of the CPL option, proper documentation and verification of prior learning are required. Necessary precautions will be taken to ensure that all documents received are authentic and any program accreditation standards are met.
- Students **may not** petition for CPL for courses which they have already received Baptist University transfer credits.
- Students **may not** use CPL credits toward residency hour requirements.
- For more information, visit: [www.baptistu.edu/CPL](http://www.baptistu.edu/CPL)

## TRANSFER CREDIT

Baptist University reserves the right to accept or decline transfer credit on any courses submitted. However, the following criteria and processes are followed when reviewing previous course work for consideration:

- Only transcripts that are submitted as part of the admissions process will be officially evaluated. Credit for transfer will be considered with an official transcript from a regionally accredited college. Additional material such as the course description, syllabus, outline and/or textbook(s) may be requested in order to assure similar curriculum objectives.
- Credit received from regionally accredited colleges for specific required courses in General Education Studies and Health Studies must satisfactorily parallel with courses offered by Baptist University. Equivalent courses (excluding specific required science courses) with grades of “C” or above may be accepted from other regionally accredited colleges regardless of the year completed. If an equivalent course was repeated at one of the regionally accredited colleges, only the most recent grade will be considered for transfer credit.
- Earned credit for courses equivalent to specific required science courses completed at a regionally accredited college with a grade of “C” or above will be subject to review according to specific program timeframes. If an equivalent course was repeated at one of the regionally accredited colleges, only the most recent grade will be considered for transfer credit.
  - Earned credit for specific required science courses five years old or less will be reviewed for applicants to all University programs.
  - Earned credit for specific required science courses over five years old will be reviewed for applicants to General Education and Health Studies (GEHS) and Allied Health (AH) programs by the GEHS Dean and AH Dean/Program Chair.
  - Earned credit for specific required science courses, regardless of year completed, will be reviewed for currently licensed health care professionals, Health Administration, and Population Health majors.
- Applicants with earned credit for specific courses taken at a two year regionally accredited college as part of the Tennessee Transfer Pathways will receive block credit for a designated series of courses required at Baptist University.
 

Time/age limits for acceptance of earned credit for specific required science courses will vary per program. A grade of “C” or better must be earned in each course taken at the two-year college.
- Earned credit received for Advanced Placement courses will be considered for transfer based on verification and achievement of acceptable pre-determined examination scores.

- Program-specific courses completed at regionally accredited colleges will be reviewed on a case-by-case basis by the dean/chair of that program for consideration of transfer credit. For nursing, this review will occur only after a student has been admitted to the program. Additional material such as the course description, syllabus, outline and/or textbook(s) may be requested in order to assure similar curriculum objectives.
- Credit toward program-specific courses earned via other means, including but not limited to work experience, professional training, military training, may be considered on a case-by-case basis by the specific academic dean or designee according to the Credit for Prior Learning Policy.
- Transfer credit for courses from non-regionally accredited colleges and universities may be considered by the appropriate dean after he/she reviews all materials submitted.
- Transfer credit for courses from colleges/universities outside of the United States must be accompanied by an official evaluation by WES (World Education Services) or ECE (Educational Credential Evaluators). Credit will be considered by the appropriate dean after he/she reviews the evaluation materials submitted.
- Students have a right to appeal transfer credit during their first year of attendance.
- Transfer of course/degree credit from Baptist University to another college is determined by the receiving institution.

#### **Procedure:**

The transfer credit approval procedure is reviewed every 2-3 years. The Dean of General Education and Health Studies and the Baptist University Registrar develop transfer guidelines after having reviewed descriptions of courses offered at nearby regionally accredited colleges (subject matter experts are consulted as needed). The transfer guidelines used by the Registrar's Office as a basis for transfer credit acceptance from nearby regionally accredited colleges.

1. Official transcripts are evaluated by the Registrar's Office when applicants meet admissions criteria.
2. The Registrar's Office approves courses with established transfer credit guidelines from colleges.
3. The Dean of General Education & Health Studies reviews and approves courses when there are no transfer guidelines available for use by the Registrar's Office.
4. Academic Deans will use the ACE Manual in determining transfer credit for military courses on a case-by-case basis.
5. Applicants are notified of transfer credit decisions.
  - Results of transfer credit evaluations are provided to applicants electronically (university issued email).
  - Transfer credits are posted in the student information system when applicants are accepted to Baptist University.
  - As final transcripts are received, transfer credit evaluations are updated and posted in the student information system by the Registrar's Office. Students and advisors are notified to review the degree plan for additional transfer credits accepted into their program.
6. Students may submit an appeal for transfer credit within a specific timeframe.
  - Applicants/students who wish to appeal transfer credit have 1 year (12 months) from the date of enrollment into Baptist University to complete the "transfer credit appeal" form on the web and provide necessary documentation for review of course content.
  - The General Education and Health Studies Dean in consultation with the appropriate Program Dean (or designated Chair) will consider and act on the appeal of the original decision.
  - Any recommended change of credits that are not agreed to by all parties involved (evaluating GEHS Dean and professional program Dean or designated Chair), will be forwarded to the Provost for final determination.
  - The Registrar's Office will notify applicants/students of the transfer credit appeal decision, including explanation for denied appeals, via email (academic advisor, if assigned, is copied on email communication).

## **READMISSION**

Once admitted to Baptist University, students are expected to enroll for classes each academic term according to individual progression plans. Students who are not enrolled for two (2) consecutive trimesters must apply for readmission to Baptist University, unless granted a Leave of Absence.

Readmission to Baptist University is based on space availability and may require participation in a competitive admissions process.

Former students may apply for readmission to Baptist University, based on the following criteria:

1. The former student meets the applicable admission criteria, and,
  - The former student left Baptist University in good academic standing and is in good academic standing at any other colleges attended, if applicable, OR
  - A former student who was dismissed from an Allied Health or Nursing major is not eligible to apply in the same major that he/she meets all eligibility criteria. Exceptions may be made by the Program Chair, with the approval of the Academic Dean, on a case-by-case basis, OR
  - The former student was academically dismissed from Baptist University when previously enrolled, and after leaving Baptist University, has earned a credential from an accredited clinical program or regionally accredited college or university.
2. Students granted readmission will enroll under the policies, procedures, and curriculum in place at the time of readmission.
3. **Students who are administratively dismissed are not eligible for readmission to Baptist University.**

## ADVANCED PLACEMENT AND CREDIT BY EXAMINATION

Baptist University may accept up to a maximum of 28 semester hours of advanced placement credit. Each course or examination must meet program requirements and be approved by the program chair and appropriate dean in order to be accepted. The Registrar's Office will provide information on courses which can be accepted as credit.

Advanced Placement and/or Credit by Examination that can be reviewed for credit include:

1. College Entrance Examination Board (CEEB). Credit may be given for advanced placement courses taken in high school with a score of 3 or above. Credit will be given with a grade of "P" (pass), but no quality points will be awarded, nor will the credit be included in calculation of the student's cumulative GPA.
2. College Level Examination Program (CLEP). Credit will be given for specific subjects taken through the College Level Examination Program (CLEP) if a score above the 50th percentile is obtained on each specific subject test. Credit earned through CLEP examinations is not included in calculating the student's cumulative GPA. The student will receive a grade of "P" (pass) for the equivalent course when the credit is awarded, but no quality points will be awarded.
3. Credit by Examination. Credit may be earned by passing approved in-house examinations. Fees for this type of exam may be charged based upon the type of exam taken.

## AUDITING

Regularly, enrolled Baptist University students and Special (Non-Degree) students may audit courses. No academic credit will be awarded to students enrolled on this basis. Students must have the approval of the appropriate Academic Dean to audit a course.

Students auditing a course are not required to prepare assignments or papers or take examinations and do not participate in laboratory sessions.

A student may not change from a credit basis to audit or from audit to credit basis after the last day of registration. Fees for auditing will be assessed per credit hour for all courses. Courses taken as AUDIT will not be retroactively applied as credit courses.

## SPECIAL (NON-DEGREE) STUDENTS

Special Non-Degree Students are defined as Audit, Dual Enrollment, Non-Degree Seeking, and Transient.

- Audit Student-Taking a course(s) for no credit; not required to prepare assignments, papers, nor take examinations.
- Dual Enrollment Student-Current high school student taking a course(s) for high school credit and college credit; coordinated through the high school.
- Non-Degree Seeking Student-Taking a course(s) for credit but is not pursuing a degree.
- Transient Student-Regularly enrolled at another college/university, but taking a course(s) for credit with Baptist University with the intention to transfer the credit back into the home institution
- Non-Degree Course-Any course taken (credit or non-credit) by a Special Non-Degree Student

### Admission as a Special (Non-degree) Student

All Special Non-Degree Student types require an application for admission and a non-refundable fee. Other documents may be required dependent on the status type (Audit, Dual, etc.)

#### Admission Criteria - Audit:

- An application for admission and non-refundable fee must be submitted by the appropriate deadline for the desired term.
- No additional documents are required.
- Students auditing a course(s) do not receive credit and the course(s) cannot be retroactively applied for course(s) credit(s).

#### Admissions Criteria - Dual Enrollment:

- An application for admission, non-refundable fee and all documents must be submitted by the appropriate deadline designated on the dual enrollment contract between Baptist Health Sciences University and the high school.
- The official high school transcript and ACT/SAT score must be submitted by the high school counselor or registrar.
- The dual enrollment applicant must meet the appropriate ACT/SAT score and high school GPA required for admission for the term to be dually enrolled.

#### Admissions Criteria - Non-Degree Seeking:

- An application for admission and non-refundable fee must be submitted by the appropriate deadline for the desired term.
- Submit official transcripts from most recent college(s) attended.
- Verify good standing at most recent college(s) attended.

#### Admissions Criteria - Transient:

- An application for admission and non-refundable fee must be submitted by the appropriate deadline for the desired term.
- Submit official transcripts from most recent college(s) attended.
- Verify good standing at most recent college(s) attended.

### Enrollment as a Special (Non-degree) Student

Special (non-degree) students who desire to take one or more courses at Baptist University will be allowed to enroll for such courses on a "space- available" basis and upon approval from the appropriate Academic Dean. Special students are not eligible for student financial aid or veterans' benefits.

Special non-degree students who earn course credit(s) may apply those credits to a degree plan once they meet all admission criteria and are admitted into a formal degree-seeking program

## CRIMINAL BACKGROUND CHECK

Students applying to all undergraduate programs must submit to and demonstrate satisfactory completion of a criminal background check as a requirement for enrollment to Baptist University. A mandatory update must be completed prior to initial placement in a clinical course or internship. Students applying to completion programs who are practicing in the field in which they are applying and hold an unencumbered license are required to complete a full background check prior to entering clinicals. A private company approved by Baptist University will conduct the initial and pre-clinical background checks. The cost of the background check will be the responsibility of the student.

The criminal background check will include but is not limited to: National Criminal Database Search, National Sex Offender Search, Tennessee Abuse Registry, I-MED Level 3, County Criminal Records Search, Licensure, Certification and Designation.

Students who refuse to submit to a background check or refuse to allow Baptist University access to the report will be dismissed from Baptist University and will be ineligible for readmission. Those who do not pass the background check are afforded the opportunity to explain the circumstances surrounding the situation. If the student is ineligible for clinical placement/internship, he/she will be dismissed from Baptist University.

Students are required to sign a statement of disclosure acknowledging that the University may be requested to disclose the outcomes of background checks to clinical agencies during the course of the student's enrollment at Baptist University. Any convictions that occur after a background screen has been submitted must be reported to the Dean of Student Services.

Students who are not enrolled for more than one academic term will be considered withdrawn, and must apply for readmission to the University. Students must submit a background check prior to registration for classes.

At the time of admission to the University, all incoming students as part of enrollment requirements must complete a full background check as per instructions provided by Admissions. Exceptions include students in completion programs as noted in the above policy. These criminal background screens must be completed by the student's Orientation.

Undergraduate students entering clinicals or internships must complete a mandatory update prior to initial placement in a clinical course or internship. Students are notified the trimester before the start of clinicals or internships, and full instructions are sent via email from the Office of Student Services. Completion students will likewise receive instructions by email from the Office of Student Services on completing the full background check prior to the start of clinicals.

Pre-clinical background checks must be completed before the first day of clinicals. Students are notified the trimester before the start of clinicals, and full instructions are sent via email from the Office of Student Services.

Situations in which a person does not have a satisfactory background check will be reviewed on a case-by-case basis.

Convictions involving the following crimes, but not limited to these crimes, may serve to disqualify a person from being enrolled to the University, and if applicable, from participating in required clinical learning experiences:

- Any felony, whether listed below or not;
- Crimes involving drugs, including but not limited to unlawful possession or distribution;
- Crimes of physical violence to include any type of abuse (child, spousal, or of the elderly), abduction, such as kidnapping, manslaughter, murder, robbery, sexual crimes, possession of a restricted fire armor any related weapons offenses, assault and battery;
- Crimes against property, including but not limited to arson, theft of property and merchandise, vandalism, criminal trespass, larceny and burglary;
- Crimes showing dishonesty, including but not limited to fraud, forgery, deception or financial exploitation of any person or employer.

In the event of an adverse action prior to initial enrollment, Baptist University will notify the applicant to make an appointment with the Dean of Student Services to review the results of the background screen. In the event of an adverse action prior to entering clinicals or internships, Baptist University will notify the student to schedule an appointment with the Provost or designee to review the results of the background screen. The student must bring a copy of the report to the appointment. The Dean of Student Services or Provost (or designee) will review the results of the report and in consultation with an appropriate parties, determine if the student is eligible for enrollment or clinical placement.

In the event of an adverse action that is disclosed at any time during enrollment, Baptist University will notify the student to schedule an appointment with the Provost or designee. The Provost or designee will review the adverse action on a case-by-case basis, with the potential outcome of being dismissed from the University. In addition, if the student enrolled in a professional program is ineligible for clinical placement due to this adverse action, he/she will be dismissed from the professional program.

# FINANCIAL AND BUSINESS SERVICES - FINANCIAL INFORMATION

## Financial and Business Services Staff

Name	Title
Leanne Smith	Vice President, Financial and Business Services
Jane Smothers	Administrative Secretary, Financial and Business Services
April Tyson	Director, Financial and Business Services
Jessica Oliver	Accountant
Amy Lofties	Coordinator, Student Accounts & Business Affairs
Joanna Darden	Director, Financial Aid
Carly Schumann	Financial Aid Officer
Tanesha Nash	Financial Aid Officer
Theresy Yosef	Financial Aid Officer

<b>UNDERGRADUATE TUITION AND FEES - 2021-2022</b>	
Tuition - All Courses (per credit hour)	<b>\$463.00</b>
Audit Tuition – All Courses (50% of current tuition rate per credit hour)	<b>\$231.50</b>
Application Fee (all programs)	<b>\$25.00</b>
Assessment Fees (additional learning resources needed for student success in the course):	
<b>Allied Health</b>	
DMS 310, DMS 381	<b>\$45.00</b>
DMS 392	<b>\$206.50</b>
DMS 462	<b>\$20.00</b>
DMS 474	<b>\$135.00</b>
DMS 495	<b>\$39.50</b>
MLS 302	<b>\$70.00</b>
MLS 315	<b>\$35.00</b>
MLS 340	<b>\$202.00</b>
MLS 410	<b>\$50.00</b>
NDT 101	<b>\$58.00</b>
NDT 290	<b>\$117.00</b>
NDT 291	<b>\$35.00</b>
NMT 396	<b>\$175.00</b>
NMT 436	<b>\$165.00</b>
NMT 473	<b>\$25.00</b>
RAD 200, RTT 389	<b>\$202.00</b>
RAD 340	<b>\$75.00</b>
RAD 341, RTT 492	<b>\$35.00</b>
RAD 472	<b>\$94.00</b>
RCP 299	<b>\$192.00</b>
RCP 301	<b>\$39.50</b>
RCP 303	<b>\$150.00</b>
RCP 307	<b>\$104.00</b>
RCP 312	<b>\$50.00</b>
RCP 313	<b>\$165.00</b>
RCP 416	<b>\$60.00</b>
RCP 421 (RRT-BHS students only)	<b>\$189.50</b>
SUR 104	<b>\$192.00</b>
SUR 201	<b>\$124.00</b>

SUR 204	\$20.00
SUR 206	\$59.50
<b>General Education and Health Studies</b>	
HCM 303, HCM 485	\$50.00
HSC 104, HSC 105	\$149.00
<b>Nursing</b>	
NSG 303	\$135.00
NSG 304 (Traditional Program Only), NSG 345 (Traditional Program only)	\$145.26
NSG 306 (Traditional Program Only)	\$172.66
NSG 307	\$307.66
NSG 308	\$619.76
NSG 309	\$315.00
NSG 335 (Traditional Program only), NSG 415	\$235.26
NSG 335 (RN-BSN Program Only)	\$90.00
NSG 340, NSG 409	\$188.16
NSG 341, NSG 351, NSG 442	\$278.16
NSG 360	\$250.76
NSG 361	\$160.76
NSG 445	\$424.26
NSG 453	\$135.50
NSG 463	\$225.50
Challenge Exams (NSG 304,306) \$60 exam fee, \$15 recording fee	\$75.00
CPR Fees:	
DMS 392, NDT 201, NMT 311, NSG 308, RAD 200, RCP 299, RTT 389, SUR 104	\$60.00
Credit for Prior Learning Examination (25% of current per credit hour rate per course credit hour)	
Credit for Prior Learning Workshop	\$275.00
Credit for Prior Learning Reassessment Fee	\$50.00
Credit for Prior Learning Transcript fee per credit hour	\$25.00
Enrollment Fee or Deposit	\$100.00
E-Portfolio	\$139.00
Graduation Fee - payable when registering for final Trimester	\$75.00
Health Services Fee (per Trimester)	\$70.00
ID Card or Parking Decal - Replacement (original - no charge)	\$10.00
Laboratory-based courses, per course	
General Education and Health Studies Labs	\$40.00
All Other Labs	\$50.00
Late Installment Payment Plan Fee	\$25.00
Late Registration Fee*	\$100.00
Parking Fees (per Trimester):	
Lot A (Campus Hub Lot, 1003 Monroe)	\$75.00
Lot A (Campus Hub Lot, 1003 Monroe) - residence hall students	\$25.00
Lots B,C,& D (Union Ave) (Madison/Pauline) (Health Sciences Bldg), (Collaboration Bldg), unrestricted parking	\$25.00
Parking Violations (per incident)	\$25.00
Preclinical Drug Testing (DMS 392, MLS 301, NSG 308, NSG 453, NDT 290, NMT 396, RAD 390, RCP 299, RCP 303, RTT 389, SUR 104)	\$55.00
Printing (250 additional pages)	\$12.50
Professional Liability Insurance (per term when enrolled in clinical courses)	\$7.00
Repeat ATI	\$65.00
Registration Change Fee (drop/add) per course dropped or added	\$5.00
Returned Check Fee (or Credit Card Chargeback Fee)	\$25.00
Student Activity Fee (per credit hour, all courses)	\$5.00
Technology Fee (per credit hour, all courses)	\$50.00
Transcript Fee, per official transcript	\$10.00



<b>HOUSING FEES **</b>	
Housing, double occupancy, <u>if available</u> , per trimester	<b>\$1,600.00</b>
Housing, single occupancy, <u>if available</u> , per trimester	<b>\$2,645.00</b>
Food Services (per Trimester, if applicable)	<b>\$300.00</b>
Housing Application Fee (non-refundable)	<b>\$100.00</b>
Housing Deposit (refundable)	<b>\$250.00</b>

\* The late registration fee is charged if registration and payment are not completed on or before the tuition and fee payment dates specified in the academic calendar.

\*\* Details regarding housing assignments and policies are in the Residence Hall Handbook.

## OTHER COSTS

### PROFESSIONAL LIABILITY INSURANCE

Students in the health professions are required to participate in various clinical learning experiences as a prerequisite to successful completion of programs of study. The clinical facilities where these learning experiences take place will only accept students who are covered by professional liability insurance. Accordingly, Baptist Health Sciences University has arranged to provide coverage meeting the required coverage standards to all students who are enrolled in clinical courses through Healthcare Providers Service Organization (HPSO). All Baptist Health Sciences University students enrolled in clinical courses must obtain coverage through HPSO, other personal liability insurance coverage notwithstanding.

The annual premium for this coverage will be \$21 and will be charged with student billing for tuition and fees.

### MISCELLANEOUS COSTS

In addition to the expenses noted, the student is also responsible for the cost of books, supplies, uniforms, transportation and meals, as well as health insurance, health screenings and immunization expenses, assessment fees, criminal background checks, and licensing/certification fees.

## PAYMENT AND REFUND POLICIES

Baptist University reserves the right to make changes in costs at the beginning of any trimester by publication of the new rates for tuition, fees, and room rent three months in advance of the effective date. Changes in other fees, charges, or policies may be made by an announcement one month in advance of the effective date of the change.

## PAYMENT OF TUITION AND FEES

**All tuition, housing, and other fees must be paid in full during the designated registration days for each trimester before a student will be officially enrolled in classes.** Payments may be made in cash, check, money order, or debit or credit cards. Registration is not complete for financial aid recipients until aid has been awarded and applied to all fees and all debt has been paid in full. Baptist University will not impose any penalty on covered individuals, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from Veteran Affairs under chapter 31 or 33, Title IV, state, and/or institutional aid. A late fee may be assessed on covered individuals receiving Title IV, state, and/or institutional aid if delayed disbursement is due to a student not fulfilling aid requirements timely. Students with delinquent accounts will be denied registration. Students must complete a financial responsibility agreement prior to registering each term.

Registration is subject to deletion and/or a late registration fee if all tuition, fees, and/or fee payment requirements for enrollment are not satisfied by the appropriate fee payment deadline. The installment payment plan is available to qualified students to help satisfy payment requirements by the appropriate fee payment deadline. A fee will be charged for each late installment payment. Late installment payment(s) are defined as payment(s) not received by the specified due date(s) indicated in the payment plan agreement and promissory note.

The installment payment plan is reserved for students based on the following:

- Good financial standing (Business Office)
- Good academic standing (Registrar's Office)
- No federal financial aid funds available (Direct Loans included)
- No eligibility for Parent PLUS Loan
- \$250.00 minimum balance

## REFUND OF TUITION AND FEES

This policy applies to dropping a course or withdrawing from school:

- A student who withdraws from a course on or before the published tuition and fee payment date for the term in which they are enrolled will receive 100% tuition and course fee refund.
- A student who withdraws from a course after the published tuition and fee payment date for the term in which the student is enrolled through the change/add period specified for the course in which the student is enrolled will receive a **100% tuition refund only**.
- No tuition or fee refund will be processed after the change/add period specified for each course. Course fees are non-refundable after the published tuition and fee payment date for the term.
- A schedule of specific refund dates for each term will be published on the Baptist University website, distributed to all students via email each trimester and via course syllabi.
- All fees not related to a course are non-refundable.
- All refunds will be processed electronically or mailed.
- All other fees are non-refundable.

### Return of Title IV (Federal Financial Aid Funds):

The Higher Education Amendments of 1998 specifies that financial aid must be earned through class attendance. A student has not earned 100% of his/her financial aid until he/she has attended more than 60% of the term. If a financial aid recipient totally withdraws from school or drops all remaining courses, on or before the 60% point of the term, there is a portion of the financial aid that has not been earned. This unearned portion is repaid by both the student and the school based on a federal formula. The amount each student owes must be calculated based on the date of withdrawal or drop and the amount of financial aid received. Any unearned amounts are to be returned to Title IV financial aid programs in the appropriate order. Any amount remaining after the applicable programs have been fully repaid is returned to the student. Additionally, students who earn all failing grades must have "earned" the grades through attendance and poor performance. The Financial Aid office will reach out to all instructors to determine if the failing grades were earned or if the student stopped attending. If the failing grades were earned, there will not be a Return of Title IV Aid. If the failing grades were the result of attendance, the confirmed last date of attendance or the 50% date of the term will be used in the Return of Title IV calculation.

## FINANCIAL AID

Financial Aid is designed to assist qualified students with the cost of their education. Scholarships, grants, work study, and loans are awarded to recipients who meet specific criteria. It is the responsibility of the applicant to comply with all policies regulating any financial aid for which he or she may qualify. Contact the Financial Aid Office for specific guidelines on each financial aid source. **All applicants must complete a Free Application for Federal Student Aid (FAFSA) online at [www.studentaid.gov](http://www.studentaid.gov)** If you have any questions about your eligibility please contact the Financial Aid Office.

## Federal Aid Programs

These programs are administered through the U.S. Department of Education.

### Pell Grant

A non-repayable award for undergraduate students pursuing a first Bachelor's degree. Awards vary in amount each year and are based on financial need and hours of enrollment. Pell Grant is awarded based on full-time status but will be adjusted and disbursed based on actual hours enrolled.

**Supplemental Educational Opportunity Grant (FSEOG)**

A non-repayable campus-based award for undergraduate students pursuing a first Bachelor's degree. Awards are made to early applicants who demonstrate the most financial need and have the lowest Expected Family Contribution (EFC).

**Direct Subsidized Loan**

A fixed interest loan available to degree seeking students enrolled at least half-time, based on financial need. The interest rate for new loans changes every July 1st and is paid by the government while the students are attending school. Repayment of principal and interest begins 6 months after graduation or enrollment ceases to be at least half-time.

**Direct Unsubsidized Loan**

A fixed interest loan available to degree seeking students enrolled at least half-time, not based on financial need. The interest rate for new loans changes every July 1st and will be charged from the time the loan is disbursed until it is paid in full. The interest can be paid while the student is still in school. Repayment of principal and interest begins 6 months after graduation or enrollment ceases to be at least half-time.

**Direct Parent Loan for Undergraduate Students (PLUS)**

A credit based loan option for the parent of a dependent undergraduate student enrolled at least half-time. The yearly limit is limited to the student's cost of attendance minus any other financial assistance expected or received. The interest rate is fixed for the life of the loan but the rate changes every July 1st for new loans. There is no grace period for these loans, but payments may be deferred until the student graduates or ceases to enroll at least half-time. Interest begins to accumulate at the time the first disbursement is made. For PLUS borrowers who do not choose to defer, repayment of both principal and interest will begin 60 days after the full loan amount has been disbursed.

More details for these programs are available through the Baptist University Financial Aid Office or online at [www.baptistu.edu/tuition-financial-aid](http://www.baptistu.edu/tuition-financial-aid)

**State Aid Programs**

These programs are administered through the Tennessee Student Assistance Corporation (TSAC).

**Tennessee Student Assistance Award**

A non-repayable fund for financially needy undergraduate students who are residents of Tennessee. Applicants must be enrolled at least half time, at a public or an eligible non-public postsecondary institution in Tennessee. Funds are awarded based on guidelines provided by TSAC.

**Tennessee Educational Lottery Scholarship Programs (TELS)****Hope Lottery Scholarship**

Awarded to a student in pursuit of an associate or baccalaureate degree at an eligible postsecondary institution that is funded from the net proceeds of the state lottery. The amount of the award is based on full-time status but will be adjusted and disbursed based on actual hours enrolled.

**Hope Aspire**

Awarded to a student in pursuit of an associate or baccalaureate degree at an eligible postsecondary institution who qualifies for a Tennessee Hope Scholarship and whose adjusted gross income does not exceed \$36,000. The amount of the award is based on full-time status but will be adjusted and disbursed based on actual hours enrolled.

**Hope General Assembly Merit**

Awarded to a student in pursuit of an associate or baccalaureate degree at an eligible postsecondary institution who qualifies for a Tennessee Hope Scholarship and demonstrates academic excellence. The amount of the award is based on full-time status but will be adjusted and disbursed based on actual hours enrolled.

**Hope Access Grant**

Awarded to a student in pursuit of an associate or baccalaureate degree at an eligible postsecondary institution whose adjusted gross income does not exceed \$36,000 per year. In addition to the adjusted gross income limit, a student must be an entering freshman and have at least an unweighted high school GPA of at least 2.75 and at least 18ACT/860SAT score. This grant is non-renewable. If a student meets the HOPE Scholarship renewal criteria, they will be eligible for the Hope Lottery Scholarship during subsequent years of enrollment. The amount of the award is based on full-time status but will be adjusted and disbursed based on actual hours enrolled.

**Hope Non-Traditional**

Awarded to a student who is 25 years or older and enrolled in an eligible postsecondary institution as an entering freshman or have not been enrolled for at least two (2) years after last attending any postsecondary institution. Students cannot have earned a baccalaureate degree and their adjusted gross income cannot exceed \$36,000 per year. The student must have a minimum cumulative GPA of 2.75 after attempting 12 trimester hours.

**Tennessee Promise and Tennessee Reconnect**

Both of these awards are for Tennessee residents who are pursuing an associate's degree only. Eligible recipients will receive a "last-dollar" award not to exceed the average tuition and fees at Tennessee public community colleges. Meaning, these awards will not cover all tuition and fees for Baptist University students pursuing an associate's degree. Students must apply online at [www.tnpromise.gov](http://www.tnpromise.gov) for eligibility requirements and deadlines.

More details for these programs are available through the Baptist University Financial Aid Office or online at [www.baptistu.edu/tuition-financial-aid](http://www.baptistu.edu/tuition-financial-aid)

## Student Employment

**Federal Work Study**

A need based, federally funded, campus based financial aid program that provides part-time employment to students who are enrolled at least half-time. Federal Work Study funds cannot be applied directly towards tuition or fees. Instead, students are paid on a bi-weekly basis for hours worked. The application process is handled through the Financial Aid Office.

**Institutional Work Study**

A Baptist University program that provides funding to employ students in various positions on campus. Students must maintain a 3.0 cumulative GPA, remain enrolled at least half-time, and be in good academic standing. The application process is handled through the Financial Aid Office.

## Grants and Scholarships

Information regarding specific award amounts for all grants and scholarships are available in the Financial Aid Office or online at [www.baptistu.edu/tuition-financial-aid](http://www.baptistu.edu/tuition-financial-aid). All applicants must complete the Free Application for Federal Student Aid (FAFSA) online at [www.studentaid.gov](http://www.studentaid.gov) and continuing students will also need to complete the online scholarship application through MyCampus.

## TUITION DEFERRAL PROGRAM

Students of Baptist University enrolled in a professional program may be eligible to apply for participation in the Tuition Deferral Program depending on the workforce needs of the Baptist Corporation. In addition to workforce needs, selection criteria for participation will include such things as the student's academic record and the entrance interview. Students must interview and be selected to participate in this program.

For those students selected, Baptist University will defer clinical tuition only. Students will be responsible for paying all mandatory fees. Following graduation and licensure, Baptist Memorial Health Care (BMHC) will hire program participants as full-time employees of a BMHC hospital upon successful completion of the employment process. The agreement specifies that each participant will agree to work for Baptist while earning forgiveness each month of work during this work period. The tuition to be deferred and the corresponding work period may vary by major.

## OTHER FINANCIAL ASSISTANCE

Other sources of financial assistance include scholarships awarded by various civic groups and religious organizations. Students should investigate these and other sources in the community for additional financial support.

## BAPTIST EMPLOYEE TUITION DISCOUNT

Baptist University provides a tuition only discount for eligible Baptist Memorial Health Care employees and eligible dependents enrolled at Baptist Health Sciences University. All current, full time employees in good standing, regardless of length of employment, and eligible dependents are eligible for the following discounts.

- 25% discount on undergraduate tuition only
- 10% discount on graduate tuition only

## VETERAN EDUCATION BENEFITS

Veteran Education Benefits provide veterans, service members, or their qualified family member with funding to assist with all or some of the costs for school. Amounts of benefits vary with eligibility and enrollment status. A VA Enrollment Authorization Form must be submitted to the Financial Aid office each trimester to initiate enrollment certification with VA.

# ACADEMIC INFORMATION & POLICIES

## Academic Affairs Staff

Name	Title
Barry Schultz	Provost/Vice-President of Academic Affairs and Professor
Vacant	Administrative Assistant, Provost/Vice President's Office
Cameron Conn	Interim Dean, Division of Allied Health
Anne Plumb	Dean and Professor, Division of Nursing
Michelle McDonald	Dean and Associate Professor, Division of General Education and Health Studies
Pamela Yancy-Taylor	Instructional Designer

## Enrollment Management Staff

Name	Title
Tammy Fowler	Vice President, Enrollment Management and Student Affairs
Lisa Borden	Administrative Assistant
Erica Chandler	Director of Records/Registrar
Debbie Stafford	Academic Records Specialist
Sheri Whitlow	Academic Records Evaluator
Mary Margaret Freeman	Retention Coordinator
Mellody Selph	Academic/Career Advisor
Kimberly Cunningham	Director of Center for Academic Excellence

## DEGREES OFFERED

Baptist University offers programs of study that lead to the following degrees:

- Associate of Science (AS) with a major in Pre-Health Studies, Neurodiagnostic Technology, and Surgical Technology.
- Bachelor of Science in Nursing (BSN)
- Bachelor of Health Sciences (BHS) with a major in Biomedical Sciences, Diagnostic Medical Sonography, Health Administration, Medical Imaging Sciences, Medical Laboratory Science, Medical Radiography, Neurodiagnostic Technology, Nuclear Medicine Technology, Population Health, Radiation Therapy, and Respiratory Care.

A student may earn one Associate of Science degree, one Bachelor of Science in Nursing degree and one Bachelor of Health Sciences degree from Baptist University. A student pursuing a second degree must earn at Baptist University a minimum of 30 additional credit hours for a Bachelor's degree, and a minimum of 15 additional credit hours for an Associate's degree beyond the requirements of the first degree. Specific courses taken in completion of the requirements of the first degree, including general education courses, may be applied to the second degree. Specific courses taken in completion of the requirements of the first degree, including general education courses, may be applied to the second degree only if those courses have been taken within five (5) years of the completion date of the first degree. Students completing the requirements for two (2) degrees will receive two diplomas, are eligible to obtain honors in both degrees, and will be listed under both degrees at Commencement.

Students seeking more than one (1) major under the Bachelor of Health Sciences degree must meet all requirements for the second and each subsequent major. Students who receive a second major within a single degree will not be issued an additional diploma; however, the second major will be posted on the academic transcript.

Admission to a second major is based on individual program selection criteria and space availability.

## MINORS

A minor is a supplemental secondary discipline of study that complements the major. Courses toward the minor may be taken concurrently with, and in addition to, the degree requirements as indicated in the degree plan. Minors are available for students in the Associate or Baccalaureate degree programs.

Minors require a minimum of 15 credit hours and no more than 9 credit hours of a student's primary degree requirements may also be applied to a minor requirement, unless indicated by the specific minor in the catalog in the year the student declared the minor. More than 50% of the credit hours required must be earned at Baptist Health Sciences University. Courses for credit in the minor require a "C" grade or better. A student can declare and earn multiple minors but a minor cannot be earned within the same major. A minor will not be officially awarded without the completion of a degree at Baptist Health Sciences University. A student must submit the Minor Declaration Form to the Registrar's Office.

## DIRECTED STUDY COURSES

A directed study course is defined as a course that involves a learning contract between a faculty or program chair and a student for outcome achievement. All directed study courses must be approved by the dean of the division where the degree plan resides and dean of the division where the course resides.

Approval of any directed study course will be based upon whether the intended learning outcomes can only be achieved through directed study and the availability of University resources to offer the course to an individual student. A directed study course may be initiated by program faculty as a part of a delayed progression plan and must be approved by the appropriate dean(s). The directed study must be done during a regularly scheduled academic term.

## EXPERIMENTAL COURSES

An experimental course is defined as a new course designed by a faculty member and offered on a trial basis for a period of time not to exceed one academic year. Goals and learning outcomes are clearly defined and delineated in course syllabi.

## UNIT OF CREDIT

Baptist University operates on a trimester calendar. The semester hour is the unit of credit. All credit hours assigned to courses by Baptist University comply with the federally described definitions of credit hours in terms of appropriate time spent per credit hour. One semester hour for credit is earned for various types of learning activities, according to the following table:

<b>Learning Activity</b>	<b>Clock Hours per Trimester</b>
Classroom (Undergraduate)	1:1
General Education and Health Studies Lab Lower Division (Undergraduate)	2:1
General Education and Health Studies Lab Upper Division (Undergraduate)	3:1
Undergraduate Nursing Lab	3.6:1
Undergraduate Nursing Clinical	3.6:1
Undergraduate Allied Health Lab	3:1
Allied Health Clinical (non-Respiratory Care)	6:1
Respiratory Care Clinical	4:1
Undergraduate Internships	3.2:1

## GRADING

A 4.0 quality-point system is employed at Baptist University. Grades are translated into quality points at the end of each trimester and used to determine the level of proficiency and rate of academic growth which characterizes each student's progress.

The following are the grades with their corresponding quality points:

Grade	Title	Quality Points
A	Excellent Achievement	4.0 pts
B	Good Achievement	3.0 pts
C	Satisfactory Achievement	2.0 pts
D	Unsatisfactory	1.0 pts
F	Failure	0.0 pts
W*	Withdrew	
WP*	Withdrew Passing	
WF	Withdrew Failing	0.0 pts
I*	Incomplete	
IP*	In Progress	
AU*	Audit	
P*	Pass	
S*	Satisfactory	
U*	Unsatisfactory	
NR*	Not Recorded	
CX	Credit by Examination	
CP	Credit by Portfolio	

\*No quality points awarded. Does not impact GPA.

### WF Withdrew Failing

For courses offered during a full trimester, this symbol indicates that a student was making below a "C" when he or she withdrew from a course dropped after the 28th day of the trimester. A "WF" is considered a failure of the course (Check the University's Academic Calendar for specific dates.) Any student who withdraws from a course after the 64th day of the trimester will automatically receive a "WF" for the course. For all other courses offered during academic terms of varying lengths, please refer to the course syllabus for withdrawal information.

### D, F

This grade indicates unsatisfactory completion of the course and must be repeated at Baptist University.

The following symbols are approved for use in the cases indicated, but will not be included in determination of the grade point average:

### I Incomplete

This symbol indicates that the student, for nonacademic reasons beyond his/her control, was unable to meet the full requirements of the course. All "I" grades must be removed within four weeks from the start of classes in the next trimester. Mini-term courses – all "I" grades must be removed within four (4) weeks from the start of the next Mini-term. Students with several "I" grades may be required to carry a reduced class load for the following trimester. "I" grades will be changed to "F" if they are not removed on schedule. Courses must then be repeated in order to earn credit.



**IP In Progress**

If a student takes a course extending over more than one term and evaluation of performance is deferred until the end of the final term, provisional grades of IP (In Progress) are assigned in the intervening term(s). The provisional grades are replaced by one final grade when the full sequence is completed.

**W Withdrew**

For courses offered during a full trimester, this symbol indicates that a student withdrew from a course after the sixth day of the trimester and prior to the 28th day of the trimester. For all other courses offered during academic terms of varying lengths, please refer to the course syllabus for withdrawal information.

**WP Withdrew Passing**

For courses offered during a full trimester, this symbol indicates that a student was passing with a "C" or better when he or she withdrew from a course dropped after the 28th day of the trimester and prior to the 64<sup>th</sup> day of the trimester. Check Baptist University's Academic Calendar for specific dates. For all other courses offered during academic terms of varying lengths, please refer to the course syllabus for withdrawal information.

**AU Audit**

This symbol indicates that a student was given permission to audit this course. After the last day of registration, students may not transfer from audit to credit or vice versa.

**NR Not Recorded**

This symbol indicates that the grade has not been recorded.

**P Pass**

This symbol indicates that a student was awarded credit by CEEB, CLEP, correspondence course or approved challenge exam with a "P" (pass) determination. In addition, this symbol is used to indicate that block credit has been awarded for completion degrees once a student has successfully completed the requirements indicated in the individual program policies. No quality points are awarded nor is the "P" credit included in GPA calculations.

**S Satisfactory**

This symbol indicates that credit has been given for completion of degree requirements for a clinical course or other designated course.

**U Unsatisfactory**

This symbol indicates unsatisfactory performance in an attempt to complete degree requirements for a clinical course or other designated course.

**CX Credit by Examination**

This symbol indicates Credit by Examination option whereby students may earn course credit by successfully completing a comprehensive exam.

**CP Credit by Portfolio**

This symbol indicates Credit by Portfolio option whereby students may earn course credit by submitting a portfolio which demonstrates through narratives and artifacts a student's knowledge, competencies, and skills related to specific course learning outcomes.

**Each attempt of a course is reflected on the student's transcript.**

**CUMULATIVE GRADE POINT AVERAGE (GPA)**

A student's cumulative grade point average, based only on the courses attempted at Baptist University, is determined by dividing the quality points by the hours for which the student has registered, excluding courses taken for no credit (AU), repeated courses, those from which the student has officially withdrawn while passing (WP), and those that were completed with the grades of P, S, U, or I. The most recent grade assigned in a course is the grade used in the calculation of grade point average.

## GRADE REPORTS

Official grade reports are available via a secure student web portal at the end of every trimester and grades are posted on the student's permanent record approximately one week after the final examination period. Grades will not be available to students who have a non-approved financial indebtedness to Baptist University.

## TRANSCRIPTS

A transcript is a copy of the academic record of all courses for which a student has registered. All transcript requests must be made through the National Student Clearinghouse at [www.nationalstudentclearinghouse.com](http://www.nationalstudentclearinghouse.com). There is a fee for each official transcript. Official transcripts bearing the Baptist University seal and signature of the Registrar can be sent to an employing agency or another educational institution. Unofficial copies of transcripts are only available to current students through the student web portal. Students may receive official copies of transcripts if requested, however, not all educational institutions will consider receipt of these transcripts as official. The Registrar's Office cannot issue transcripts from other colleges or institutions. No transcript will be issued for a student who has not met his/her financial obligation to Baptist University.

## CLASSIFICATION OF STUDENTS

### Full-Time/Part-Time

In order to be classified as full-time, a student must carry at least a 12 credit hour load during an academic term. Students registering for 6-11 credit hours in an academic term are considered part-time. Students registering for less than 6 credit hours are considered less than part-time.

### Class Standing

The following hours are used to determine class standing:

Classification	Credit Hours
Freshman	0-29 credit hours
Sophomore	30-59 credit hours
Junior	60-89 credit hours
Senior	90 or > credit hours

## APPLICATION FOR CONSIDERATION OF CHANGE OF MAJOR

Once enrolled at Baptist University, a student may request a change of major through his or her faculty advisor and/or Academic/Career Advisor by submission of the Change of Major Request Form.

To be considered for a change of major, a student must meet the selection requirements of the new major and participate in the next selection process available for all applicants to the degree program. Student will obtain and follow procedure as outlined on the Change of Major Request Form. If a student requesting a change of major is not selected into the new major, the student may remain enrolled in the major of record at the time of the request. Students granted a change of major will be required to adhere to all academic policies and professional standards of the new program.

Students granted a change of major must meet all the academic requirements of the new major to progress and graduate.. Once approved for a change of major, students may not return to the original major without requesting a new change of major.

## UNDECLARED MAJOR

For entering students or students who are unsuccessful in a selective course of study, or decide they are no longer interested in their current degree program, this major would allow students to enroll in or to continue enrollment at Baptist University while exploring other programs/majors at the University. Students are limited to two (2) trimesters in the Undeclared Major Status and this status may only be declared one time during the student's enrollment at Baptist University. Students are responsible for contacting Financial Aid Services to determine impact on their aid.

## ACADEMIC ADVISEMENT

The purpose of academic advisement is to provide academic guidance and support throughout the university experience. Once admitted to Baptist University, each student will be assigned to a faculty advisor. An advisor will guide the student in his/her academic progress until graduation. Students may request a change in advisor by contacting the Registrar's Office. Students must schedule appointments with their advisors to discuss courses before registration. Office hours for advisement are posted by each individual advisor.

The Academic and Career Advisor seeks to complement the academic mission of the University by educating and empowering students to take ownership of their professional development as lifelong learners and to function successfully in an evolving healthcare market. The Academic and Career Advisor, provides services in success coaching, career planning, resume critiquing, and mock interviewing. The Academic and Career Advisor office is located in the Campus Hub building, Enrollment Management Suite. Students may contact the Academic and Career advisor to schedule an appointment at 901-572-2530.

## TRIMESTER LOAD

In order to be classified as a full-time undergraduate student at Baptist University, a student must be enrolled in a minimum of 12 semester hours. Those undergraduate students wishing to register for 18 credit hours or more in any given trimester must obtain permission from the appropriate academic dean.

## DISTANCE EDUCATION

Online courses and blended courses are considered distance education courses at Baptist University. Types of online courses include total online courses and modified online courses. In a total online course, all instructional content is delivered exclusively through distance education where students and instructors are not in the same physical location. In a modified online course, the majority of the interaction between students and instructors and among students occurs through electronic means with some exceptions. Exceptions include; Full-term courses in which the instructor and students physically meet together for no more than two meetings, totaling less than six hours. Experiential learning opportunities, such as clinical, practicum, residency, or internship, provided that Baptist University has already obtained all the necessary professional and licensure approvals necessary (if any) to conduct the learning opportunity in the state, and No more than 10 students in the same academic program from each institution are physically present simultaneously at a single placement site unless a higher number is approved by the host state's portal agency. In blended courses, the majority of the interaction between students and instructors and among students occurs when students and instructors are not in the same place. Instruction and assessments may occur online, on campus, or in the clinical setting. Flex courses are not considered distance education courses. In a flex course, the majority of the interaction between students and instructors and among students occurs when students and instructors are in the same place. Total online, modified online, and blended courses will be assessed an online course fee per credit hour as appropriate and published in the University Catalog.

## ONLINE PROGRAMS

Online Program are formal educational programs at Baptist University that allows the completion of the entire curriculum online without the need to attend any instruction on a campus location. In-person learning may be required to complete clinical/internship segments of an online program.

Students enrolled in online programs will be provided a range of services comparable to those available to students enrolled in in-person programs, although the method of service delivery may vary. Students enrolled in online programs will be made aware of academic, technological, and support services and resources.

## WITHDRAWAL FROM A COURSE

Students wishing to drop a class must formally withdraw from the class by following the procedure outlined by the Registrar's Office. A student discontinuing class attendance does not constitute a formal withdrawal. Without completing the process for dropping the course, the student will receive an "F" in the course.

## REGISTRATION

An open registration period is scheduled before the beginning of each trimester. A student will be authorized to register only if he or she has met with his or her academic advisor. Fees must be collected according to the Payment of Tuition and Fees policy. A late fee is assessed for students not completing registration during open registration.

**Changes in Registration.** All changes in registration after the end of drop/add must have the approval of the Academic Advisor, Financial Aid Office, the Business Office, and be processed through the Registrar's Office. Students should consult the University's Academic Calendar for dates for adding or dropping classes. There is a fee for changes in registration after the end of drop/add period.

## REQUEST FOR CONSIDERATION OF TAKING COURSE AT ANOTHER COLLEGE/UNIVERSITY

For undergraduate programs, once students have enrolled at Baptist University, they are required to complete all remaining degree requirements, including the last twelve (12) hours at Baptist University, including the last twelve (12) hours immediately preceding graduation must be taken at Baptist University. In special circumstances, students may request that a course requirement be completed elsewhere. In order for those credits to be accepted by Baptist University, permission from the appropriate academic dean must be received prior to enrolling in the course. A form is available through the Registrar's office for requesting such permission.

All courses that are repeated due to earning an unsatisfactory grade at Baptist University must be taken at Baptist University.

For undergraduate completion programs, once students have been enrolled at Baptist University, all professional program specific course requirements, including the last twelve (12) hours immediately preceding graduation must be taken at Baptist University. Students may request remaining degree requirements be taken elsewhere. In order for those credits to be accepted by Baptist University, approval from the Dean of General Education and the Dean over the Completion Program must be received prior to enrolling.

## ATTENDANCE

Students are expected to be punctual and attend all planned learning experiences, both classroom and clinical. The student has professional accountability for meeting this expectation. Financial Aid eligibility may be affected by nonattendance in all scheduled courses.

Course-specific standards related to attendance are explained in each course syllabus in keeping with the standards and policies of Baptist University. Attendance may be included as a factor in calculating a student's final grade.

Regardless of the reason(s) for absence, the student is responsible for all work covered by the instructor during the absence, including timely submission of assignments. The instructor has the discretion to allow students to make up missed work in circumstances of reasonable absence.

Faculty are expected to participate in student attendance verification for financial aid purposes.

## PRESIDENT'S LIST

To be eligible for the President's List, a student must:

- Earn 12 or more credits in one trimester.
- For undergraduate completion program, a student must earn 9 or more earned credits in one trimester.
- Have a trimester Grade Point Average of 4.0.
- Have no incomplete grades.

## DEAN'S LIST

To be eligible for the Dean's List, a student must:

- Earn 12 or more credits in one trimester.
- For undergraduate completion program, a student must earn 9 or more earned credit hours in one trimester.
- Have a trimester Grade Point Average between 3.50 to 3.99.
- Have no incomplete grades.

## BAPTIST UNIVERSITY HONORS PROGRAM

The Baptist Health Sciences University Honors Program is designed to enhance and enrich the experience of talented, highly motivated students. The Honors Program prepares future health care providers through a distinctive learning environment that facilitates additional levels of scholarship and community engagement. The program engages students who want to challenge themselves to deepen their knowledge and enrich their academic experience in a unique learning environment.

The Baptist University Honors Program lays the foundation for a higher learning path, driven by intense collaboration between a student and the faculty. An Honors student at Baptist University will experience enriched academic, social, and community service opportunities that will help them develop into outstanding leaders.

Admissions Criteria:

- Freshmen – Who score a minimum score of 25 or higher on the ACT or its equivalent on other tests, and have a minimum 3.50 (4.0 scale) high school grade point average (GPA).
- Transfers – Minimum 3.5 Cumulative GPA with 29 or less total earned credit hours.
- Current Baptist University Freshmen – who meet the following criteria: 12-29 hours earned with a cumulative GPA of 3.5 or higher.
- Newly admitted transfer students with a cumulative career GPA of 3.5 or higher and at least two general education courses to be completed and honored at Baptist University, in addition to the gateway orientation course (such as HSC 104).
- Students are retained in the Honors Program by the following criteria: Students are considered in good standing in the Baptist University Honors Program if a local 3.0 or greater grade point average (GPA) is maintained. If a student's GPA drops below 2.5 and 2.999, the student will be placed on Honors Program Probation and will have a maximum of two trimesters to raise their local GPA to 3.0 to remain in the Honors Program. If the student is unable to raise their local GPA to 3.0 within that timeframe, the student will be dismissed from the Honors Program. If a student is placed on any type of probation (such as academic, Honor Code Violation, Disciplinary Probation, Programmatic Probation, etc.) the student is placed on Honors Program Probation. Reinstatement will follow the criteria of the applicable policy (e.g., Undergraduate Standards of Satisfactory Academic Progress Policy or Violations of University Policies or Standards of Student Conduct Disciplinary Process and Sanctions Policy) to be removed from

Probation, thereby being removed from Honors Program Probation. If there is no resolution, then the student will be dismissed from the Honors Program. Any students whose local GPA drops below 2.5 will be dismissed from the Honors Program. Any student dismissed from the Honors Program can reapply if they raise their local GPA to 3.0 within two trimesters of active enrollment after dismissal.

Students progress through the Honors Program by successfully completing the following criteria:

Students who begin enrollment at Baptist University as “First-time” Freshmen (never attended another college, with the exception of high school dual enrollment):

Successfully completion of the Honors gateway course – HSC 104 Honors (1 hour). Earn the Honors designation in at least three (3) General Education courses ( a minimum of 3 credit hours per course). Earn the Honors designation in at least two (2) Program level courses ( a minimum of 3 credit hours per course). Successful completion of the Honors Capstone Experience.

Students who transfer to Baptist University: Successful completion of the gateway course ((HSC 104 or HSC 104 Honors). Earn the Honors designation in at least two (2) General Education courses (a minimum of 3 credit hours per course). Earn the Honors designation in at least two (2) Program level courses (a minimum of 3 credit hours per course). Successful completion of the Honors Capstone Experience.

Current Baptist University students with 12-29 credit hours earned: Earn the Honors designation in at least two (2) General Education courses (a minimum of 3 credit hours per course). Earn the Honors designation in at least two (2) Program level courses (a minimum of 3 credit hours per course). Successful completion of the Honors Capstone Experience.

The specific course requirements are included in the student’s degree plan. No additional courses are required to graduate as an honors student.

Minimum GPA Requirements To Remain In The Honors Program:

- An honors student with a GPA less than 3.0 will be placed on probation and will be granted a maximum of two trimesters to raise their GPA to 3.0. Students dismissed from the Honors Program (not University or Academic Program) can reapply if they raise their GPA to 3.0 within two trimesters after dismissal from the Honors Program.

Student may appeal decision regarding admission, retention, progression, or completion to the Honors Program Coordinator. If the appeal is not resolved with the Coordinator, the issue may be further appealed to the Honors Program Appeals Committee. Decisions of the Honors Program Appeals Committee are final.

The Honors Program is not applicable to completion programs, Associate Degrees, and Diagnostic Medical Sonography majors.

## ACADEMIC INTEGRITY

Academic integrity is a commitment, even in the face of adversity, to the five basic principles: Honesty, Trust, Fairness, Respect, and Responsibility. Academic integrity is defined as implicit and explicit behaviors that exemplify honesty and truthfulness when presenting one’s academic work. Academic integrity is further defined as constructive and ethical behaviors that are reflected in one’s academic work. A student is expected to demonstrate academic integrity, respect for others and civility to remain in good standing with the University. Baptist University recognizes that lack of academic integrity may include, but is not limited to, cheating, plagiarism, collusion, falsifying data, personation, and ghosting.

The faculty member is responsible for maintaining an environment that is conducive to learning. When academic integrity is not upheld, the learning environment is disrupted. Faculty members have the authority to determine grading penalties for lack of academic integrity in their own courses; penalties and consequences pertaining to the final course grade will be outlined in the course section of the syllabus. Faculty members are responsible for reporting all incidents associated with academic integrity to the Academic Dean of their Division.

Students witnessing a lack of academic integrity are responsible for reporting all incidents to the appropriate faculty member in adherence with the University Honor Code. Students demonstrating a lack of academic integrity in any classroom, clinical work, or program progression requirements are subject to disciplinary action up to and including dismissal from the University. All students are expected to uphold the Honor Code of Baptist University.

## HONOR CODE

*"In support of the Christian mission of Baptist University, I commit myself to honesty and integrity. I will not cheat, lie or commit plagiarism, and I will hold others accountable to these standards."*

All students are expected to uphold the Honor Code of Baptist University and will be required to electronically accept the Honor Code Pledge during the online registration process.

## UNDERGRADUATE STANDARDS OF SATISFACTORY ACADEMIC PROGRESS

### Good Academic Standing

A student is considered in good academic standing at Baptist University when the following criteria are met:

- A cumulative grade point average (GPA) of the courses taken while at Baptist University is 2.0 or better.

### Academic Progression in General Education

Satisfactory academic progress is achieved as long as any individual General Education course has been successfully attempted at Baptist University no more than two (2) times with a letter of at least a "C".

### Academic Progression in a Program

Satisfactory academic progression in an Allied Health or Nursing Program is achieved as long as the following standards are met:

- All courses must be completed with a letter grade of at least a "C" before progressing to subsequent courses in the degree plan. Each degree program will determine the courses that are considered a part of the curriculum.
  - Satisfactory performance in nursing courses with a clinical component is defined as both a grade of "C" or better for the theory portion and an "S" for the clinical portion or practicum.
  - Satisfactory performance in Allied Health courses is defined as a grade of "C" or better for both theory and clinical courses.

Course withdrawal during the curriculum phase of the degree plan will delay progression to subsequent courses. Delayed progression plans must be approved by the program chair and/or academic dean for satisfactory academic progression.

Satisfactory academic progression in programs within the General Education and Health Studies division is achieved as long as the following standards are met:

- All program level courses must be completed with a letter grade of at least a "C" in order to meet graduation requirements. Each degree program will determine the courses that are considered a part of the curriculum. The impact on curriculum progression for earning a grade below a "C" will be determined by each program. Satisfactory performance for internship experiences is defined as a grade of "C" for the class work and an "S" for all components of the site evaluation.

### Academic Probation

A student will be placed on academic probation for any of the following circumstances:

- A student's cumulative GPA of courses taken while at Baptist University is below 2.0
- A student earns two grades of "D", "F", or "WF" for the same General Education course taken at Baptist University.

### Program Probation

- A student who fails a course in an Allied Health or Nursing Program will be placed on Program Probation.
- A student who earns two grades of "D", "F", or "WF" in the same program-level course offered within the General Education and Health Studies division will be placed on Program Probation.

In the case of program probation in Allied Health, Nursing, or General Education and Health Studies, the Program Chair and/or Academic Dean may develop individual delayed progression plans for the student. These plans will be designed on a case-by-case basis to address identified learning deficiencies specific to that student and provide the best opportunity for successful acquisition of expected graduate competencies. Delayed progression plans may include repeating a course the next time it is regularly scheduled at Baptist University. All revised progression plans will be developed, based upon the individual student's learning needs, professional competencies to be addressed, and the division's available resources to implement the plan.

A student placed on program probation for failure of a course may be restricted in total credit hours attempted the following academic term in the student's delayed progression plan. Students will be advised of their probationary status by letter with the copy distributed to their assigned academic advisor.

A student on program probation will be advised to reduce participation in extracurricular activities and off campus work.

#### **Removal of Academic Probation Status**

- A student placed on academic probation for failure to achieve a cumulative GPA of 2.0 for courses taken while at Baptist University must achieve a cumulative GPA of 2.0 or better within the next 12 credit hours to remove the academic probation.
- A student placed on academic probation for unsuccessfully attempting a single General Education course two (2) times must successfully complete the course by the third attempt to remove the academic probation.

#### **Removal of Program Probation**

A student placed on program probation for failure of a program-level course in Allied Health, Nursing or General Education and Health Studies, must retake and earn a passing grade in the repeated course to remove the program probation.

#### **Academic Dismissal**

Dismissal from Baptist University occurs when:

- A student does not achieve a cumulative GPA of 2.0 for courses taken while at Baptist University within the twelve (12) credit hours taken while on academic probation.
- A student is on academic probation and receives a grade of "D", "F", or "WF" in a single General Education course three (3) times.

#### **Program Dismissal**

Dismissal from a Program occurs when:

- A student fails to perform satisfactorily in two (2) courses in an Allied Health or Nursing Program. Each degree program will determine the courses that are considered part of the curriculum.
  - If a nursing student's second course failure is in NSG 445, the student will be allowed to repeat this course one (1) more time and will not be dismissed from the Nursing Program.
- A student earns a third grade of "D", "F", or "WF" in the same program-level course offered within the General Education and Health Studies division.

#### **Student Appeal Process**

Academic dismissal from Baptist University as a result of not achieving a cumulative GPA of 2.0 of the courses taken while at Baptist University:

- A student may submit an appeal to the Provost. The decision of the Provost is final. If the appeal is upheld, the student will be on continued probation for one (1) additional trimester in an effort to raise his/her cumulative GPA.



Academic dismissal from Baptist University as a result of not successfully completing a General Education course after three (3) attempts:

- A student may submit an appeal to the Provost. The decision of the Provost is final. If the appeal is upheld, the student will be on continued probation for one (1) additional trimester in an effort to successfully complete the failed General Education course.

Program dismissal from an Allied Health or Nursing Program as a result of failing to perform satisfactorily in two (2) courses:

- A student may submit an appeal as described in the Grade Appeal Policy to the Academic Dean in regard to final grade(s) that led to the program dismissal. The decision of the Academic Dean is final. If the appeal is upheld, the student may continue in the program, however, progression may be delayed.

Dismissal from a program within General Education and Health Studies division as a result of failing to perform satisfactorily after three (3) attempts in the same course:

- A student may submit an appeal as described in the Grade Appeal Policy to the Academic Dean in regard to the final grade(s) that lead to the program dismissal. The decision of the Academic Dean is final. If the appeal is upheld, the student may have one final attempt to successfully complete the course(s), however, progression may be delayed.

## PROGRESSION INTERRUPTION DUE TO MILITARY SERVICE

Students who are absent from Baptist Health Sciences University (Baptist University) due to required military service may be required to withdraw from enrollment. Such withdrawal will be in good standing, and a refund for that trimester will be made. Any refunds under this policy will adhere to Federal Financial Aid (Title IV) guidelines.

Students who are absent from Baptist University for a limited period of time due to required military service may be allowed to make up any work missed with the approval of the appropriate academic dean. The decision of the dean regarding make up work or withdrawal will be final.

Any student who withdraws under these guidelines will be allowed to reenroll in the program under the same academic status as when the student left. The program will readmit the student into the next class or classes in the student's program beginning after the student provides notice of his or her intent to reenroll, unless the student requests a later date of readmission, or unusual circumstances require the institution to admit the student at a later date. Reenrollment must be within three years of the completion of service. Students will meet with the appropriate academic dean or program chair to develop a new progression plan toward their degree.

If the student is not prepared to resume where he or she left off, the University will make reasonable efforts to help him or her become prepared including, but not limited to, providing refresher courses or allowing the student to take a retest. The University is not required to readmit a student if it determines, after reasonable efforts, that the student is not prepared to resume the program at the point where he or she left off.

Students seeking reenrollment under this policy must submit notification of intent to reenroll to the Registrar prior to the term of planned attendance. Notification of intent to reenroll must be submitted to the University no later than three years after completion of the period of service. The cumulative length of all absences from the University for military service may not exceed five years.

Any student seeking reenrollment under this policy will be required to submit a copy of the official military orders requiring military service, or a letter from the military unit's commanding officer delineating the dates of activation and release if the official orders are unavailable at the time of the student's request. This documentation will be made a part of the student's permanent record in the Registrar's Office. The service member must be honorably discharged to qualify for veterans' educational benefits.

## WITHDRAWAL FROM UNIVERSITY

Students withdrawing from Baptist University for a time exceeding one trimester should obtain a "Complete Withdrawal Form" from the Registrar's Office. Withdrawing students must confer with their academic advisor, the appropriate dean, the financial aid officer, and other identified university personnel to assure that all necessary procedures and paperwork are completed to meet institutional, state, and federal requirements.

Students in good academic standing who withdraw for a time period exceeding one trimester must apply for readmission. For more information see readmission procedures, see the readmissions section.

## LEAVE OF ABSENCE

A leave of absence is an interruption in progression, beyond the term limits for readmission that allows the student to remain in active status at Baptist University.

The student must be currently enrolled in classes or enrolled during the previous trimester. The student must document reasonable intent of returning. An expected date of return and a plan for completion of clinical and/or course work, approved by the academic dean of the division in which the student is enrolled, must be included. If the student is seeking leave based on experiencing a personal serious medical condition or injury which has impacted their satisfactory academic performance and ability to do academic work, the request must include documentation from a health care professional who has a primary role in the direct treatment of the student, such as a letter from the physician or health care professional, including a diagnosis, prognosis, treatment plan and expected leave period, including date of return. If a student's leave of absence request is related to circumstances created as a result of COVID-19 pandemic, the student or legal guardian completes the student data portion as well as providing a brief explanation of the circumstance(s) which prevents the student from completing the course(s) in the term, along with a revised progression plan. If currently enrolled, the leave must be requested prior to the last day to withdraw with a WP as stated on the academic calendar.

An approved leave of absence will not exceed one (1) academic year or three (3) trimesters. Progression in the program is based on space availability. The student will not be granted more than 2 leaves of absence during enrollment at the University. If the leave is approved, the student will receive a grade of "W" in all courses in which the student is currently enrolled. If the leave is not approved, absences will result in the student becoming inactive after two (2) full trimesters of not attending classes. Any student granted a Leave of Absence cannot be enrolled in any university courses during the leave period. If a student qualifies for a Leave of Absence and is on Academic Warning/Probation or any disciplinary status at the time of the request, when the student returns to Baptist University, the student will return on Academic Warning/Probation or any disciplinary status. Any financial obligations are addressed as per Baptist University and financial aid policies.

## RESIDENCY REQUIREMENTS

Residency requirements refer to the required number of credit hours taken while enrolled at Baptist University to qualify for a degree. The minimum number of credit hours required to be taken in residence is defined as:

- **Baccalaureate Degree Program**  
For undergraduate degrees, sixty semester (60) hours in residence must be completed at Baptist University for graduation. The last twelve hours (12) immediately preceding graduation must be awarded at Baptist University.
- **Associate Degree Program**  
Thirty semester hours in residence must be completed at Baptist University for graduation. The twelve hours immediately preceding graduation must be awarded at Baptist University.
- **Completion Degree Programs**  
For undergraduate completion degrees, twenty-five (25%) of the degree credits must be completed at Baptist University for graduation. The last twelve hours (12) immediately preceding graduation must be awarded at Baptist University.

## AWARDING BACCALAUREATE & ASSOCIATE DEGREES

Baptist Health Sciences University (Baptist University) students may complete their degree requirements at the end of any academic term. Students must:

- Complete all degree requirements as designated by their major.
- Earn the required number of hours of credit as specified in his/her degree plan with a minimum grade of “C” in each course credited.
- Complete residency requirements.
- Complete Service and Worship requirements.

The diploma will not be released until the student has met all financial obligations to Baptist University.

Commencement ceremonies are held three times a year in April, August and in December.

## COMMENCEMENT REQUIREMENTS

The following requirements must be met for a student to participate in the commencement ceremony:

- Completion of degree requirements for conferral.
- Payment of the graduation fee at registration in the trimester of anticipated graduation.
- Satisfactorily meeting all financial obligations to Baptist University. All student loan borrowers must complete student loan exit counseling.

Since graduation is an important milestone for students, participation in the graduation ceremony is desired.

## GRADUATION WITH HONORS

Graduation with Honors is based on the final cumulative grade point average on courses earned at Baptist University and indicates a consistently high level of scholastic achievement. Honors status is awarded according to the following established cumulative grade point averages:

3.50 - 3.66	Cum Laude
3.67 - 3.83	Magna Cum Laude
3.84 - 4.00	Summa Cum Laude

## FAITH AND SERVICE

Faith and Service provides a structured co- curricular program to facilitate participation in the Mission and Christian heritage of Baptist University. It is a shared experience that encourages the development of well-rounded, spiritually sensitive students. All students will be required to participate in events selected by the student whose total points required is determined by the student’s major listed below:

Program	Points
Pre-Health Studies, Neurodiagnostic Technology (Associate)	50
Completion Programs	30
All Other Students	100

Event	Points
University Sponsored Mission Trip	45
University Sponsored Student Retreat	35
Trimester Long Mission Project (tutoring, etc.)	35
Short Term Local Mission Projects (2 hour project)	20
Convocations	15
Spiritual Renewal Week Events	15
Chapels	10
Concerts	10

## REQUEST FOR CHANGE IN FINAL EXAM TIME

Final examinations are expected of students in all courses. Students who have three (3) exams in one day or other extenuating circumstances may request that a final examination time be changed. Requests for change in final exam dates must be submitted in writing through email to the course faculty and the Dean. Requests must be received and approved two (2) weeks prior to the scheduled exam date, except in the case of an emergency. Please keep in mind that it is the students' responsibility to be knowledgeable of the University's final exam period (found on the *Baptist University Academic Calendar*), as well as the scheduled final exam dates and times specific to each enrolled course.

# CENTER FOR ACADEMIC EXCELLENCE (CAE)

## Center for Academic Excellence Staff

Name	Title
Kimberly Cunningham	Director, Center for Academic Excellence
Mary Akin-Deko	Supervisor CAE Learning Center/Section 504 Academic Coordinator
Molly Antoine	Library Supervisor
Eric Marcy	Library Resource Specialist
Lynn Anderson	Secretary
Vacant	Testing Center Coordinator

The CAE strives to create a culture of learning where student engagement, quality instruction, assessment, and the effective use of appropriate technology to enhance student competencies are supported. The CAE provides the following support service areas: Learning Center, Disability Services, Health Sciences Library, and Testing Center.

## LEARNING CENTER

The Learning Center provides students with extra assistance necessary for academic success through the use of software programs, textbooks, models, and tutoring through Smarthinking. Students can set up an account to access Smarthinking resources at <http://www.smarthinking.com>. Additional information can be found online on MyCampus under learning resources and at this link: [https://mycampus.bchs.edu/ICS/Learning\\_ResourcesLibrary/Learning\\_Resources.jnz](https://mycampus.bchs.edu/ICS/Learning_ResourcesLibrary/Learning_Resources.jnz).

The Learning Center is available by ID badge access during regular Health Sciences Building hours. The hours may be subject to change. For additional information, contact 901-572-2570.

Day	Time
Monday - Friday	6:00 am – 10:30 pm
Saturday	6:00 am – 6:00 pm
Sunday	CLOSED

## DISABILITY SERVICES

In compliance with Section 504 of the Rehabilitation act of 1973 and the Americans with Disability Act [ADA, 1990], Baptist Health Sciences University will in no way discriminate against anyone based on their disability. The University is committed to provide equal opportunity for qualified individuals with disabilities. Specific questions concerning academic accommodation requests may be directed to the Section 504 Academic Coordinator:

Email: [disability.accommodations@baptistu.edu](mailto:disability.accommodations@baptistu.edu).

In Person: at Health Science Bldg., 22 North Pauline, Room 101.

Telephone: 901-572- 2570.

## HEALTH SCIENCES LIBRARY

The Health Sciences Library is located on the first floor of the Main Campus Hub and supports both general education and professional studies. The physical library space is comprised of a full-service computer lab, a variety of comfortable work spaces, and total of nine study rooms. Resources include books, journals, and audiovisual materials. Additionally, the library provides access to four printers, two commercial copy machines, and two 3-D printers. Instruction is provided for free to all students, addressing topics such as how to effectively locate, evaluate, synthesize, and present information in an ethical manner.

Online resources, such as the library's catalog, as well as, access to subject-specific LibGuides, e-books, streaming video collections, and, 45 online databases are also available for searching professional literature. Resources are accessible via links posted on MyCampus and Moodle. Students may also borrow print resources with the presentation of a student ID badge. Academic and professional books may be checked out for a period of two weeks, unless stated otherwise. Reference books are not circulated and may not be checked out.

To avoid delays with registration, grades or transcript requests, students need to ensure that they have no overdue materials or fines. The Library Loan Policy can be found on MyCampus under Library Resources:

<https://mycampus.bchs.edu/ICS/Students/Handouts.inz>

## TESTING CENTER

The Testing Center provides a centralized location for completing disability accommodation testing, standardized testing, and other forms of testing. The Testing Center is located on the first floor of the Health Sciences Building in Room 103 and may be contacted by emailing [testingcenter@baptistu.edu](mailto:testingcenter@baptistu.edu).

## DIVISION OF GENERAL EDUCATION & HEALTH STUDIES

### Administration

Name	Title
Michelle McDonald	Dean and Associate Professor
Brian Alexander	Associate Dean and Associate Professor
Lilian Nyindodo	Chair and Associate Professor, Biomedical Sciences
Briana Jegier	Chair and Associate Professor, Health Administration and Chair of Population Health
Patricia Ann Waggener	Chair and Associate Professor, General Education
Paul Criss	Assistant Professor and Coordinator of BUE/Honors Program
Christina Herring	Science Laboratories Supervisor
Natassah Chipman	Academic Operations Coordinator

### Faculty

Name	Title
Hazel Aberdeen	Assistant Professor, Biology
Michelle Alexander	Assistant Professor, Biology
Ramazan Aydogdu	Assistant Professor, Sociology
Charity Brannen	Associate Professor, Chemistry
Christopher Church	Professor, Philosophy & Religion
Richard Ewool	Assistant Professor, Mathematics
Leah Greene	Assistant Professor, Health Administration
Vacant	Professor, Mathematics
Lisa Hight	Professor, Biology
Jan Hill	Assistant Professor, Health Administration
Abby Johnston	Instructor, Sociology
Yadav Pandit	Assistant Professor, Physics
Mary Gwynne Millione	Professor, English
John Parr	Lab Instructor, Biology and Chemistry
Dallas Pitts	Assistant Professor, Religion
Hurley Shepherd	Lab Instructor, Biology
Vacant	Assistant Professor, Psychology

## GENERAL EDUCATION & HEALTH STUDIES MISSION

The General Education mission is to provide students with a strong foundation in the arts and sciences to prepare them with the intellectual, social, and spiritual values needed to succeed in the health care profession. General Education courses focus on students developing skills in critical thinking, scientific inquiry, communication, and ethics.

## OUTCOMES

Upon completion of their course of study, students will be able to:

- Communicate effectively in writing.
- Communicate effectively orally.
- Critically think.
- Conduct quantitative reasoning.
- Reason about right and wrong human conduct.
- Reason about spiritual dimensions of life in relation to Christian values.
- Comprehend and analyze issues as they are shaped and influenced by cultural diversity.
- Demonstrate effective teamwork skills

## GENERAL EDUCATION CORE COURSES (31 CREDIT HOURS)

The purpose of the General Education Core of Baptist University is to create a common curriculum for baccalaureate programs that supports the mission of the University and educates well-rounded students capable of intellectual discourse. The courses that meet these criteria are selected by the faculty of the University.

- **Humanities/Fine Arts (18 credit hours)**

English Composition I – ENG 101	3
English Composition II – ENG 102	3
Literature – ENG 201, 202, 203, or 204	3
Philosophy <sup>1,2</sup> - PHI 201, 202, or 301	3
Religion – REL 201, 210, 220, 301, or 302	3
Communication – COM 211 or 220	3

- **Social/Behavior Sciences (6 credit hours)**

General Psychology – PSY 201	3
Medical Sociology <sup>1</sup> - SOC 201	3

- **Natural Sciences/Mathematics (7 credit hours)**

Natural Sciences <sup>1</sup> BIO 110, BIO 201, CHE 115, or PHY 200	4
Mathematics – MAT 110 or MAT 240	3

1. Completion programs, which often accept a majority of the general education course work as transfer credit, may substitute with other courses from within that particular principal area of knowledge (Humanities/Fine Arts, Social/Behavior Sciences, or Natural Sciences/Mathematics).
2. Associate degree programs do not require the philosophy elective; total GE Core – 28 credit hours

## BAPTIST UNIVERSITY REQUIRED COURSES (4 CREDIT HOURS)

HSC 104 Baptist University Experience/HSC 105 Baptist University Online/Completion Experience (1 hour) and HSC 301 U.S. Health Care Systems are required by all associate and baccalaureate programs.

- **Baptist University Required Courses (4 credit hours)**

Baptist University Experience - HSC 104 or 105	1
HSC 301 U.S. Health Care Systems	3

## GENERAL EDUCATION & HEALTH STUDIES COURSE DESCRIPTIONS

### *ACC 101 Principles of Accounting (3)*

This course provides an introduction to financial and managerial accounting in business, addressing accounting concepts and emphasizing the importance and impact of accounting transactions on financial statements and decision making.

### *BIO 110 General Biology I (4)*

This is an introduction to general biological principles. Topics will include evolution, cell chemistry, cell structure and function, metabolism, cellular reproduction, and genetics. Three hours lecture, two hours lab per week.

### *BIO 120 General Biology II (4)*

A study of biodiversity, plant and animal systems and ecology. Three hours lecture, two hours lab per week.

*Prerequisite: BIO 110.*

### *BIO 150 Foundations in Anatomy and Physiology (4)*

An introduction to the structure and function of the human body and how homeostasis is maintained. Lecture and laboratory studies will produce a basic understanding of the cells, tissues, organs, and regions of the human body. Topics will include: head, neck, upper limb, thorax, abdomen, pelvis and perineum, lower limb, and back. Three hours of lecture and two hours of lab per week.



**BIO 201 Anatomy and Physiology I (4)**

The study of the structure and function of cells, tissues, organs, and systems of the human body including but not limited to the chemistry of living organisms, skeletal, muscular, nervous, and integumentary systems. Three hours lecture, two hours lab per week.

**BIO 202 Anatomy and Physiology II (4)**

The study of the structure and function of systems in the human body with emphasis on the digestive, respiratory, cardiovascular, urinary, endocrine, reproductive, and immune systems. Three hours lecture, two hours lab per week.

*Prerequisite: BIO 201.*

**BIO 205 Microbiology (4)**

The study of the biology of micro-organisms and their significance to human health with emphasis on microbial structure and function, pathogenicity, control, and chemotherapeutic agents. Three hours lecture, two hours lab per week.

**BIO 301 Pathophysiology (3)**

The physiologic pathology of selected diseases and dysfunctions observed in humans. Development of a knowledge base of current concepts and common conditions observed in health care settings. *Prerequisites: BIO 201, BIO 202.*

**BIO 310 Applied Pathophysiology (3)**

A focus on the underlying principles common to disease processes. This course expands on how alterations of structure and function disrupt the human body as a whole. The course offers students the opportunity to observe various physiological changes of the body and how they manifest impact on various systems by incorporating simulation. *Prerequisites: BIO 201 and BIO 202 or BIO 342 and BIO 345.*

**BIO 315 Applied and Environmental Microbiology (3)**

A study of the use of microbes in food production, cause and prevention of food spoilage, and foodborne illnesses. Microbes in their natural environment and how their activities affect the environment, soil and soil borne illnesses, water treatment and waterborne illnesses, and usage in biological warfare will be discussed. *Prerequisite: BIO 205.*

**BIO 320 Cross Sectional Anatomy (2)**

This course is designed to teach anatomy recognition via diagrams and human sections using imaging modalities such as CT, MR, PET and Sonography. The focus of the course will be the major systems of the body with an emphasis on anatomical relationships and pathological changes. The content serves as a foundation for further study within the imaging modalities.

*Prerequisites: BIO 201 and BIO 202 or BIO 342 and BIO 345.*

**BIO 340 Histology (4)**

A study that focuses on the branch of anatomy that deals with structure, composition, design, and function of body tissues as it relates to the principles of human physiology. Examination of microscopic cell structure as it correlates with tissue composition and organ function will be discussed. Three hours of lecture, three hours of lab per week. *Prerequisites: BIO 201 and BIO 202 or BIO 342 and BIO 345.*

**BIO 342 Human Anatomy (4)**

Students will study the human body from an overview of cellular processes and tissue classifications that will then be integrated in the learning of the body systems from a gross and microscopic anatomical perspective. Three hours of lecture per week and 3 hours of lab per week. *Prerequisite- BIO 120*

**BIO 345 Human Physiology (4)**

Students will study the functions of the human body's cells, tissues, organs, and organ systems and the integrated functions of the body. 3 hours of lecture per week and 3 hour of lab per week. *Prerequisite: BIO 342*

**BIO 350 Genetics (3)**

This is a study of the fundamental principles of heredity including the molecular mechanisms by which cellular processes impact eukaryotic cells. Topics include introduction to molecular genetic techniques and genomics, in depth study of structures and chromosomes, the regulation of gene expression, and abnormal regulatory processes that lead to disease.

*Prerequisites: BIO 110, BIO 120 or BIO 201, 202.*

*BIO 360 Applied Anatomy and Physiology (3)*

This course builds on the concepts of Anatomy and Physiology I and II using Human Patient Simulators and case study analysis as the principal methodologies. Learning will focus on multi-system interactions which will apply how the body systems impact each other and how they perform when disease is present. The knowledge of the functions of each system will be applied to understanding how body processes occur. *Prerequisites: BIO 201, BIO 202.*

*BIO 380 Physiological Psychology (3)*

This course links anatomy and physiology of the brain with behavioral function. Neuroscience topics include regulatory physiology, pharmacology, endocrinology, and behaviors related to feeding/appetite, sleep, sex, fear, and anxiety. *Prerequisite: BIO 120 or BIO 202*

*BIO 390 Immunology (3)*

This course presents an overview of all major aspects of the field of immunology. This branch of science deals with the innate and adaptive mechanisms the body uses to fight infectious disease and prevent its recurrence. It also covers recognition of foreign or altered cells unrelated to microorganisms such as cells or organs received during transplantation. This course will cover the cells involved, their site production, how they proliferate and respond to foreign antigens. The proteins produced by cells in response to infection and the chemical signals that affect their production are also covered. Some other topic areas included are transplantation serology, hypersensitivity and allergies, hereditary and acquired autoimmune disorders, and vaccines. *Prerequisite: BIO 205 or permission of the instructor.*

*BIO 401-404 Special Topics in Biology (1-4)*

Study of selected topics or current issues in Biology. Provides student an opportunity to explore various topics in Biology with greater detail. Course may be repeated with permission from Chair. *Prerequisite: Faculty determine appropriate prerequisite-/co-requisite for each topic.*

*BIO 410 Molecular Cell Biology (4)*

To prepare students with advanced knowledge of molecular biology and its techniques as it pertains to human health, disease and treatment. Three hours lecture and two hours lab. *Prerequisite: BIO 205, CHE 220.*

*BIO 420 Endocrinology (3)*

Compares the normal and abnormal anatomy and physiology of the organs of internal secretion, with major emphasis on the roles of endocrine glands and their hormonal secretions in integration, control systems, metabolism and development. Other topics include tools and techniques for identifying endocrine diseases and monitoring its status. *Prerequisite: BIO 201 and BIO 202 or BIO 342 and BIO 345.*

*BIO 460 Cancer Biology (3)*

Focuses on the cell physiology and genetics involved in the process of cell transformation. Other topics included the mechanics of cell growth and division when altered, and the interactions between tumors and their host. *Prerequisite: BIO 350*

*BUS 101 Introduction to Business*

This course will focus on business systems, workforce demographics, social responsibility, business ethics, and various forms of business organizations. The course will also introduce students to a variety of concepts within the business environment such as management processes, human resource management, marketing, decision-making, and finance.

*CHE 115 General Chemistry I (4)*

A study of basic concepts in general chemistry with an emphasis on gas laws and nuclear processes. Other topics include composition and structure of matter, chemical reactions, bonding, solution chemistry, kinetics, thermodynamics, equilibrium, acids and bases, electrochemistry, and classification of organic compounds. Three hours of lecture, two hours of laboratory per week. *Corequisite: MAT 110.*

*CHE 125 General Chemistry II (4)*

A study of kinetics, thermodynamics, equilibrium, free energy, electrochemistry, and transition elements. Intermolecular forces, molecular geometry, properties of mixtures and compounds, and organic compounds will be discussed. Three hours of lecture, two hours of laboratory per week. *Prerequisite: CHE 115.*

*CHE 210 Organic Chemistry I (4)*

A study of the fundamental types of organic compounds and the properties, reactions, mechanisms, and syntheses of those carbon compounds. Other topics include stereochemistry and theory behind analysis techniques. Three hours of lecture, three hours of laboratory per week. *Prerequisite: CHE 115 and CHE 125.*

*CHE 220 Organic Chemistry II (4)*

A study of common organic functional groups and their chemistry. Lipids, amino acids, proteins, and synthetic polymers along with classical organic laboratory techniques such as syntheses, separation, and purification of compounds will be discussed. Three hours of lecture, three hours of laboratory per week. *Prerequisites: CHE 115, CHE 125, and CHE 210.*

*CHE 310 Biochemistry (4)*

The study of the structure and function of the major classes of macromolecules including lipids, proteins and carbohydrates. Enzymatic mechanisms, cell signaling, immunology and the current biochemical techniques for isolating nucleic acids, cloning and protein studies will be covered. Three hours lecture, three hours laboratory per week. *Prerequisites: CHE 115, CHE 125, and CHE 210.*

*CHE 330 Molecular Pharmacology (3)*

A study of the cellular and molecular mechanisms of drug actions with emphasis on target receptors and signaling pathways. Other topics will include pharmacodynamics, pharmacokinetics, drug metabolism, drug delivery, and drug discovery and design. *Prerequisite: CHE 220 and BIO 301, suggested after CHE 310.*

*COM 211 Speech Fundamentals (3)*

A study of the theories and techniques of preparing and delivering speeches. Course covers speaker and audience variables, composition, style, and delivery. Students will deliver several types of speeches in class.

*COM 220 Intercultural Communication (3)*

Develops and enhances interpersonal communication skills and the abilities appropriate for a multicultural society. Emphasizes understanding diversity within and across cultures. Covers relevant concepts and practices concerning the self, perception, communication ethics, language, verbal/nonverbal communication, and presentation skills.

*ECO 205 Health Economics (3)*

Applies basic economic concepts to analyze health care markets and evaluate health policies; including distinctive economic characteristics of health, the health care industry, and health care professionals; the American system of health care; and current health care policy issues such as health care reform, managed care, and manpower planning.

*ENG 101 English Composition I (3)*

Principles of composition with emphasis on analysis of various expository rhetorical modes and production of essays which exhibit effective content, organization, and style. Development of editing and critical thinking skills.

*ENG 102 English Composition II (3)*

Principles of composition with emphasis on analysis and argumentation, including development of library skills, research methodology, synthesis of ideas, and appropriate documentation of source material as applied to the formal research paper. *Prerequisite: ENG 101.*

*ENG 103 Writing for the Health Care Profession (1)*

This course introduces students to writing for the health care profession, the organization of scientific papers, and the basics of American Psychological Association (APA) documentation. *Prerequisite: ENG 102.*

*ENG 104 Medical Writing (1)*

This course provides an introduction to medical writing, its various genres, and forms of medical research. *Prerequisite: ENG 102*

*ENG 105 Advanced Writing for the Health Care Profession (1)*

For students who have overall mastery of Standard Written English, this ENG course will help strengthen their writing for the health care profession, organization of scientific papers, and American Psychological Association (APA) documentation. *Prerequisite: ENG 102*

*ENG 201 Perspectives in World Literature (3)*

Selected readings providing a survey of major authors and literary works which have greatly influenced the development of Western civilization. Explores the relationship between literary works and their historical context. *Prerequisite: ENG 101.*

*ENG 202 Perspectives in American Literature (3)*

Selected readings provide a survey of major authors and literary works that have greatly influenced the development of American civilization. Explores the relationship between literary works and their historical context. *Prerequisite: ENG 101.*

*ENG 203 Literature and Medicine (3)*

An interdisciplinary course which uses fiction, drama, poetry, film, essays, and non-fictional works to explore medical issues dealing with illness and health. It offers a forum to explore human needs, across times and cultures, related to illness, death, and the human condition in general. Students are expected to gain greater understanding of the patient experience and gain greater self-knowledge of the role they play in it. *Prerequisite: ENG 101*

*ENG 204 Multi-cultural American Literature (3)*

Studies commonalities and differences across social, cultural, and ethnic American communities as portrayed through late 20th century American literature. Examines two understanding various communities' cultural and social characteristics may help health care members provide more competent care. *Prerequisite: ENG 101.*

*HCM 303 Professionalism for Healthcare Administrators (1)*

Healthcare administrators must demonstrate professional behaviors and be able to navigate the professional culture of healthcare. In particular healthcare administrators must be able to demonstrate: 1) culturally competent interpersonal interactions, 2) appropriate dress and personal presentation in healthcare settings, and 3) the ability to plan for and obtain ongoing professional development to meet the changing requirements of healthcare settings.

*HCM 305 Principles of Health Administration (3)*

Examines foundational management principles, including assessment, planning, organizational design & structure, and market assessment. Health Care as an industry is explored in addition to classical and current views of leadership. Provides a foundation in theories and models of leadership. Allows students to assess their own leadership style.

*HCM 325 Health Care Marketing (3)*

Examines approaches, strategies, and tactics of marketing and their application to the health care industry. Key areas of marketing include strategic market planning, the external marketing environment, buyer behavior, market segmentation, product/service development, pricing, and brand management and communication. Special emphasis is placed on the role of marketing in value creation as well as the importance of socially responsible marketing practices in an organization.

*HCM 330 Human Resource Management (3)*

Explores the manager's role in creating and maintaining a productive health workforce by understanding theory and practices from management, organizational development, and organizational behavior that impact the management of the employment relationship, including human resource planning, job analysis, recruitment, selection, development, work re-design, performance evaluation, compensation, employee relations, workforce diversity; employee discipline.

*HCM 345 Organizational Communication and Media Relations for Health Care Management (3)*

This course will explore the theory, research, and skills associated with communicating in various care contexts. This will include communication among healthcare organizations and in mediated messages in the marketing, promotion, and dissemination of health information. Special emphasis is placed on the role of marketing in brand management and the role that media relations plays in organizational crises management. This course provides an appreciation of the need for responsible leadership in crisis communication situations as well as an understanding of the importance of socially responsible marketing practices in a healthcare organization.

*HCM 350 Organizational Behavior and Development (3)*

Provides an interdisciplinary analysis of the relationship of groups and individuals within organizations utilizing theoretical concepts from psychology, sociology, philosophy, and communication. Introduces the concepts of organizational development (OD) and process of change management through techniques such as process consultation, conflict resolution, and feedback.

*HCM 355 Information Systems Project Management (3)*

Students will examine the significant role that project management plays in the successful completion of health care information technology projects. The skills, tools, and best practices used to effectively manage a project from its inception to successful closure will be discussed. Students will learn how to control the scope, time, cost, and quality of projects.

*HCM 359 Health Care Data Analysis (3)*

This course will teach students how to complete a basic data set analysis and explain the results. The course will introduce students to the process of defining and organizing data, and will explore how to define a question (hypothesis) for a data set, how to answer questions with data analysis by applying appropriate statistical summaries and tests, and how to explain and present the results of a basic data analysis.

*HCM 360 Quality Improvement in Health Care (3)*

This course provides the health care manager with tools needed to develop and implement quality measures and outcomes in the health care organization. Explores how healthcare delivery systems can better measure outcomes from both patient and organizational perspectives. Analyzes quality improvement programs and examines their adaptability to the healthcare environment. The emphasis is on basic quality improvement techniques. Pre-requisites: HCM 442, HCM 370, HCM 425, HCM 446.

*HCM 365 The Ethics of Health Informatics (3)*

This course will enable the student to describe the ethical issues associated with health care informatics and information systems within the health care industry. The student will examine the classical normative ethical theories based on notions of duties, rights, consequences and virtue-based ethics as well as the contemporary codes of conduct established by the health care industry, within the context of health care informatics and information systems. The students will explore, analyze, and critique case studies in order to develop skills in ethical thought and written communications.

*HCM 369 Health Informatics and Information Management (3)*

This course introduces students to the foundations of the field of Health Information Management (HIM) and the health care IT applications utilized therein, with emphasis on electronic health record (EHR) technology. Topics also include an introduction to the various types, definitions, relationships, uses, and interpretations of data derived from healthcare functions and processes. Students will also explore information standards and representations of health data that are commonly used for patient care, reporting, reimbursement, and quality improvement programs.

*HCM 370 Health Care Finance (3)*

This course provides students with an overview of financial management functions and economic evaluation at the departmental level of healthcare organizations including budgeting and cost analysis for department-level operations and capital expenditures. Pre-requisites: Undergraduate accounting, Undergraduate economics, HCM 305.

*HCM 395 Internship (3)*

Supervised fieldwork experience concluding with the development of a portfolio documenting the effective use of qualitative and quantitative methods to evaluate their fieldwork experiences. Pre-requisites: Senior standing and completion of all HCM courses except HCM 480 Strategic Management and Leadership and HCM 495 Capstone. Co-requisites: HCM 485 Senior Seminar.

*HCM 400 Health Care Information Systems and Health Policy (3)*

Students will explore the legislative processes related to the generation of healthcare policies, the downstream effect that those policies have on health care informatics and information systems, and the impact of those policies on the delivery of quality, patient-centered care. Topics will include a historical overview of health care policy initiatives which have been instrumental in changing the way health care settings utilize information systems, such as HIPAA and the HITECH Act.

*HCM 405 Health Care Data Mining (3)*

This course will teach students how to discover interesting and unexpected business insights through the application of data mining techniques. Data mining combines in-depth statistical analysis, visualization, and other approaches to explore large amounts of data allowing discovery of relationships and patterns that can shed light on issues. The course explores data mining tools and techniques, as well as database theory and structures. Special emphasis will be on learning about data extraction and reports from VHS data warehouses and cubes.

*HCM 425 Health Administration Information Systems (3)*

Understanding of information needs of management and information technology used by variety of businesses, including the health care environment. Topics include strategies and methodologies, decision support systems, and total quality management. Pre-requisite: HCM 305.

*HCM 440 Law and Policy in Health Care (3)*

Introduction to legal and health policy making systems for healthcare. Examines ethical dilemmas that commonly appear in contemporary healthcare situations. Explains issues around governance, organizational structure, contracts and reimbursement. Introduces regulatory, accreditation and professional association's oversight. Examines the role of policy-makers and politics in health care. Explores the role of diversity in organizations and need for cultural competence throughout organizations.

*HCM 442 Principles of Population Health and Epidemiology (3)*

This course explores the social determinants of health, as well as the public health vs. clinical approaches to managing the health of communities. This course introduces students to epidemiological methods and the community health assessment process. It emphasizes the need and utility of a data driven approach to decision making in order to improve population health, whole community health planning, and explores the causes and consequences of health disparities. Pre-requisites: Undergraduate Statistics and HSC 320

*HCM 445 Quantitative Methods for Health Care Management (3)*

Introduces the statistical efficacy of MS Excel for use in the construction of common operational and financial models found in today's healthcare settings. Data sets specific to practical health care operations scenarios, such as DRG codes, lengths of stay, monthly visits, Medicare/Medicaid charges, etc., will be analyzed and manipulated using MS Excel as an opportunity for students to synthesize the quantitative concepts and methods covered. *Prerequisites:* MAT 211 or HSC 320

*HCM 446 Business Methods for Health Care Management (1)*

Students will utilize electronic tools including spreadsheet and database software/apps to demonstrate statistical, financial, economic, and analytic analysis techniques used in managerial and administrative decision making. *Prerequisites:* Undergraduate Statistics (e.g. MAT 211) and HCM 305. *Pre or co-requisites:* HCM 370 and HCM 425.

*HCM 450 Strategic Management (3)*

Provides the student with the knowledge and skills necessary to develop, implement, and evaluate an organizational strategic plan, including business/corporate unit strategies.

*HCM 455 Introduction to Long-Term Care Administration (3)*

Provides the student with an introduction to the long-term care industry. Students will examine health care and social services offered, financing, management, and emerging policy issues for institutional and community-based components of the long-term care delivery system.

*HCM 475 Operations Management in Health Care (3)*

This course introduces student to the operational functions of healthcare managers across the healthcare and public health continuum. Topics include design and structure of the healthcare continuum, planning for and managing patient flow, measuring productivity, streamlining process flows, tracking outcomes and performance metrics, and improving clinical and non-clinical processes. Operations topics will include incorporating perspectives from clinical operations, business, operations, information management, patient safety and community impact. *Prerequisites:* HCM 442, HCM 370, HCM 425, HCM 446

*HCM 480 Strategic Management and Leadership (4)*

The course applies previously learned principles from across the curriculum to formulate strategic responses to issues healthcare administrators face. Topics include strategic management principles, mission integration in strategic planning, leadership, crisis communication, organizational capability analysis, and the development and implementation of business plans. Students will work in a team to prepare and present a capstone project that addresses a comprehensive case study and/or proposal for a new business venture that incorporates strategies and techniques learned throughout the curriculum. *Prerequisites:* Senior standing and completion of all HCM courses except HCM 395 Internship and HCM 485 Senior Seminar. *Co-requisite:* HCM 496 Capstone.

*HCM 485 Senior Seminar (1)*

This course provides students with an opportunity to reflect on their managerial internship experience at a healthcare setting and to contextualize their experiences within the larger healthcare field. Students will work in small groups to help one another problem solve issues that occur during their internship experience by applying course work knowledge and skills. Students will discuss the potential impact of current trends in healthcare practice on their current experience and on future experiences beyond their college experience. Students will prepare their program portfolio and will participate in mock experiences to prepare them for post-graduation work. *Pre-requisites:* Senior standing and completion of all HCM courses except HCM 480 Strategic Management and Leadership and HCM 496 Capstone. *Co-requisites:* HCM 395 Internship.

*HCM 495 Capstone Directed Study Intensive (3)*

Capstone completion allows students to demonstrate competencies learned throughout the curriculum. Students perform a project plan to organize, coordinate, and present a project that addresses a contemporary issue that affects managers in health services. The course has experiential, research, quality, and synthesis components. Students may opt to analyze solutions to issues based on experiences encountered through work, internship, simulated cases, or described in directed readings. *Prerequisite:* HCM 445

*HCM 496 Capstone (1)*

This course serves as a culminating capstone experience in which students are expected to apply knowledge and skills gained from their undergraduate experience as a whole and from the program specifically to solve a current healthcare management problem. This course provides students with the opportunity to demonstrate their ability to think critically, to synthesize information from multiple areas of healthcare practice, to integrate content across the multiple skills and practices areas expected of healthcare managers, to work in a team, and to transition from student to practicing professional. *Prerequisite:* Senior standing and completion of all HCM courses except HCM 395 Internship and HCM 485 Senior Seminar. *Co-requisite:* HCM 480 Strategic Management and Leadership.

*HIS 101 World Civilization (3)*

A study of social, economic, political, cultural, and technological development within major world civilizations.

*HIS 102 American History (3)*

A study of the political, cultural, social, and economic development of the United States.

*HPE 101 Health and Wellness (1)*

Overview of theory and application of principles related to developing an individualized approach to prevention of disease through wellness lifestyle choices. Areas of wellness include social, psychological, physical, spiritual, and emotional aspects of life.

*HPE 104 Aerobics (1)**HPE 105 Swimming (1)**HPE 108 Basic Strength Fitness (1)*

Course is designed for men and women. Instruction in correct use of weight training equipment for warm-up exercises, circuit training, and individualized training. The course will include exercises/programs for strengthening, toning, and firming up muscles. The emphasis of this class will be on overall physical fitness through an individualized daily exercise program focusing on strength, endurance, and flexibility. This is *not* a power lifting or body building course.

*HPE 109 Physical Activities (1)*

Students will engage in a variety of physical activities to promote and encourage fitness and health. Activities will involve both group and individual participation.

*HSC 104 Baptist University Experience (1)*

Assists students in the transition to academic life at Baptist Health Sciences University. Focuses on their personal, professional, and academic development. Ensures they have knowledge of University resources and introduces the InterProfessional Education Competencies.

*HSC 105 Baptist University Online/Completion Experience (1)*

Assists students in online/completion program in the transition to academic life at Baptist Health Sciences University. Focuses on their personal, professional, and academic development. Ensures they have knowledge of University resources and introduces the InterProfessional Education Competencies.

*HSC 210 Career Planning in Health Sciences (1)*

An overview of careers in the health care field. Introduces necessary knowledge for beginning career planning in health sciences. *Prerequisite: Must be a sophomore level student.*

*HSC 300 Multicultural Perspectives in Health and Healthcare (3)*

Through the lens of multiculturalism, this course will examine the importance of diversity and inclusion as a standard of care in health care organizations. The course will create an awareness and understanding of variations in cultural beliefs and how cultural factors can influence an individual's approach to health, illness, and treatment. Emphasis is placed on the healthcare experiences of underrepresented groups who fall outside the mainstream of race, ethnicity, religion, gender, sexual orientation, gender identity, disability, age, and language. An examination of culturally appropriate services and practices that are congruent with patients' beliefs, customs, and traditions is explored.

*HSC 301 U.S. Health Care Systems (3)*

The study of economic and financial issues arising from the unique nature of health care. Topics include the role of government in health care, legal and regulatory issues unique to health care, reimbursement and reform issues, quality improvement initiatives, and the impact of a dynamic health care system on patients, payers and providers including nursing and allied health professionals. Health care costs and outcomes in the United States are contrasted with those of other industrialized countries.

*HSC 305 Practicum in Clinical Research (3)*

Participation in supervised clinical research to understand the overview of the research process, quantitative and qualitative methodologies and of basic descriptive and correlation statistical analysis used in clinical research. The course includes hands-on experience with proposal development, data collection and analysis. Two trimesters of this course (or of HSC 306) are required for the research minor.

*HSC 306 Practicum in Bench Research (3)*

Participation in supervised bench-research to understand the overview of the research process, quantitative and qualitative methodologies and of basic descriptive and correlation statistical analysis used in natural science research. The course includes hands-on experience with proposal development, data collection and analysis. Two trimesters of this course (or of HSC 305) are required for the research minor.

*HSC 310 Adverse Childhood Experiences Across the Life Course (3)*

Focuses on adverse childhood experiences (ACEs) across the life course to include physiological, sociological, and psychological health outcomes. Emphasis is placed on students' ability to understand the relationship between adverse childhood experiences and their impact on health behaviors and health outcomes across the life course. Development of an educational tool that reflects this understanding will be accomplished through the lab component of the course. Two hours lecture, three hours lab per week. *Pre-requisites: BIO120 or BIO202, and PSY 301 (may be taken as a co-requisite)*

*HSC 320 Research for Health Professionals (3)*

Prepares the student to evaluate components of the research process utilizing statistical analysis. Includes introduction to computer applications using statistical packages, basic research methodology, and literature reviews.

*HSC 350 Perspectives in Epidemiology (3)*

An introduction to the basic concepts, principles and methods of epidemiologic research and analysis, including outbreak investigations and the role of epidemiology in public health. The course will include a focus on how social interactions, past and present, yield differences in health outcomes between persons within a population.

*Prerequisites: ENG 101, MAT 211, SOC 201*



*HSC 360 Interdisciplinary Seminar (1)*

Students will explore in greater depth and breadth a "topic of interest" which relates to their selected courses within the Interdisciplinary Minor. Working with a faculty mentor, students will learn the fundamentals of scientific writing and research as they prepare a "publication ready" research paper. A required course for the Interdisciplinary Studies Minor. *Prerequisite: completion of at least 9 hours in the minor.*

*HSC 410 Professional Healthcare Roles (3)*

Exposes students to field experiences in their chosen biomedical or healthcare setting. Guided/supervised work experiences that will enable students to link practical application with previously or concurrently studied theory. Students will explore how multiple professionals collaborate to meet the healthcare needs of a patient.

*HSC 460 Undergraduate Research (1)*

Students will initiate and complete an original investigation of an assigned laboratory project/problem under supervision of a faculty member. May be taken up to 3 times (total of 3 credit hours) with permission from appropriate Chair. *Prerequisite: Permission of the Chair.*

*HSC 461 Bio-techniques Seminar (2)*

Laboratory bio-techniques used commonly in research, industry, and medical clinical settings will be systematically reviewed and discussed through the use of primary scientific literature and required readings. Students' present peer reviewed scientific papers utilizing the biotechniques in class. *Prerequisite: BIO 120, CHE 210*

*MAT 110 College Algebra (3)*

The study of basic algebraic skills, principles, and applications. Includes equations in two variables, relations/functions with graphing techniques, and theory of polynomial equations.

*MAT 211 Statistics (3)*

A study of descriptive statistics with an introduction to inferential statistics. Topics include data organization, measures of central tendency and dispersion, probability, normal distributions, hypothesis testing, correlations, and analysis of variance.

*MAT 240 Elements of Calculus (3)*

Introductory study of selected topics of calculus, including limits, differential and integral calculus, and their applications. *Prerequisite: MAT 110 or ACT mathematics score of 22 or higher.*

*MAT 310 Biostatistics (3)*

Explores the use of statistical methodology to analyze and interpret biological data. Topics will include probability, distributions, linear and multiple regression, ANOVA, hypothesis testing and nonparametric data analysis. *Prerequisite: MAT 211*

*NUT 101 Fundamentals of Nutrition (3)*

A study of basic principles of human nutrition with emphasis on nutrients, food sources and their function in the body, and human nutrition requirements throughout various phases of the life cycle.

*PHI 201 Classical Issues in Philosophy (3)*

Introduction to philosophical thought focused on the emergence of philosophical inquiry and on philosophical problems in exploring the meaning of human life. Examines the relevance of classical philosophy to modern culture.

*PHI 202 Critical Thinking (3)*

This course involves the development of creative and critical thinking skills. Emphasis on the creative process and the skills and techniques involved in dealing analytically with what is read and observed.

*PHI 301 Biomedical Ethics and Values (3)*

Study of ethical issues and values related to contemporary medical practices, biological innovations, and the impact of scientific and technological advancements. Emphasis on the critical analysis of human values and basic ethical positions which guide people's lives.

*PHY 200 Physics I (4)*

The study of classical concepts in physics including measurements and mathematical concepts, laws of motion and kinematics, mechanical waves and sounds, thermodynamics and fluid mechanics. Three hours lecture, two hours laboratory. *Prerequisite: MAT 110.*

*PHY 205 Physics II (4)*

The socialization and education of various providers; the provider-patient relationship; and disparities in the study of electrical potential, current and resistance, magnetic forces and fields in addition to various aspects of optics. There will be a focus on modern physics that will include the atom, nuclear physics, radioactivity and forms of radiation. Principles are tested and reinforced in the laboratory sessions. Three hours lecture, two hours weekly laboratory. *Prerequisite: PHY 200.*

*POH 301 Population Health Foundation (3)*

Introduction to the principles and practice of public health in both local and global communities from an interdisciplinary perspective. History, and formation of public health are explored, followed by a review of methodology, and strategies used to identify, prioritize, and implement strategies to address public health issues. *Pre-requisites: ENG 102*

*POH 315 Social and Behavioral Determinants of Health (3)*

An overview of the social determinants of health and illness behaviors and health outcomes using multiple theoretical frameworks. Emphasis is on examining the root causes of health disparities by exploring the intersectionality of social determinants such as race, ethnicity, education levels, income, social class, and gender and socio-structural determinants such as access to social services like medical care and education, employment, the physical environment, and social capital.

*POH 320 Global Health Perspectives (3)*

Explores past and current issues of public health in a global context. Focuses on historic origin of global health, unequal distribution of health and disease in the world, rationale for improving global health, modes of intervention, global actors, social and cultural factors affecting global health, impact of globalization on public health, and future challenges.

*POH 330 Aspects of Environmental Health (3)*

Examines environmental factors that affect human health. Topics include health hazards associated with contaminated water, food and air, vectors of disease, exposure to toxic chemicals, environmental regulations and safety in the work place.

*POH 340 Promoting Positive Youth Development (3)*

An overview of youth development concepts, principles, theoretical frameworks and practices to help advance adolescent health and promote positive youth development. Emphasis is placed on methods for promotion of positive youth development, and the relevance of adolescent health for the public, medical science, and public health.

*POH 370 Global Chronic Diseases (3)*

Focuses on emerging chronic diseases that affect local, national and international populations. Students will evaluate the epidemiology data, major risk factors and approaches to reducing the impact of chronic disease in the population.

*POH 375 Global Infectious Diseases (3)*

A broad introduction to the principles of infectious diseases important for local, national, and global health. Focusing on bacterial, viral, fungal, and parasitic pathogens; mechanisms of disease; host immune response to pathogens, and epidemiology. With emphasis on developing an understanding of the concept of neglected diseases and their association with poverty and health inequalities, the critical factors for emergence/re-emergence of infectious diseases, and the challenges and implications for disease control, eradication, and response. *Pre-requisite: BIO 201 or BIO 110*

*POH 401 Population Health Education and Promotion (3)*

An introduction to the principles and strategies for health education in public health practice settings focusing on best practices for intervention and education development. *Pre-requisite: POH 315*

*POH 410 Population Health Program Planning (4)*

Examine key principles of community health promotion, education, and community based participatory research (CBPR). Emphasis is placed on identifying challenges in working with diverse populations. An experiential lab component will engage students in the processes of education and intervention development. Three hours lecture, three hours lab per week. *Pre-requisite: POH 401*

*POH 415 Global Ethics and Justice (3)*

Explores the ethical and philosophical basis of population health research, practice, and policy. Ethical theories are explored and critically examined, with a focus on their application to public health. Emphasis is placed on health disparities, health equity, and social justice, particularly as these concepts relate to the global community. *Pre-requisite: PHI 301*

*POH 425 Children and Families: Issues in Health, Poverty, and Policies (3)*

An interdisciplinary approach providing foundational knowledge about current issues in health and society, both globally and domestically, that impact maternal and children's health, which includes women of reproductive age, infants, children and families. A special emphasis is placed on the role of poverty in health issues and processes for women and children. *Pre-requisite: SOC 201*

*POH 430 Population Health Profession (3)*

An analysis of the multiple determinants of health including medical care, socioeconomics, the interactions of the physical environment and individual behavior, and ethical and managerial issues in population health improvement. Focus on the use and collection of quantitative and qualitative data to inform their public health/population health work. This course will provide a practical approach to analyzing and using existing data sources. Successful completion of this course is required for enrollment in POH 450 Population Health Capstone. *Pre/Co-requisite: Course is taught concurrently with or as a prerequisite to MAT 310 Biostatistics*

*POH 450 Population Health Capstone (7)*

Students test theoretical knowledge against real life practical experiences, and to integrate basic and advanced concepts acquired during their education. The capstone will include Internships based in local public health departments and public health community organizations. Culminating in a project that demonstrates understanding of the application of public health theory, principles, and methods in real-life settings. *Pre-requisite: POH 430*

*POH 470 Special Topics in Population Health (1-4)*

Study of selected topics or current issues in Population Health. Provides students opportunities to engage in and explore various topics pertinent to the field of public health. Course may be repeated with permission from the Chair.

*PSY 201 General Psychology (3)*

An introduction to general psychological theories and methods as applied to an understanding of humans interacting with the environment. Topics include personality, emotion, sensation, perception, learning, conditioning, and psychological evaluation.

*PSY 301 Human Growth and Development (3)*

Examination of the biopsychosocial aspects of development of the individual across the life span. Growth and development of the physical body, motor skills, intellectual skills along with emotional and social behavior.

*PSY 311 Marriage and Family (3)*

Focus on the American family, including mate selection, male-female relationships, parent-child communication, and current issues of family life.

*PSY 320 Psychopathology (3)*

A study of the basic concepts of the development and definition of psychopathology with an emphasis on etiology, assessment, prevention, and treatment. *Pre-requisite: PSY 201.*

*REL 201 World Religions (3)*

A study of the origins, evolution, and current status of the major religions of the world, along with their impact on humankind and the environment today.

*REL 210 Old Testament Survey (3)*

A survey of the Old Testament from Genesis to Malachi.

*REL 220 New Testament Survey (3)*

A survey of New Testament literature with reference to the writings' historical backgrounds, their distinctive points of view, the literary devices employed, and their central theological messages.

*REL 301 Literature of the Bible (3)*

A study of the various types of literature employed in the Judeo-Christian scriptures, with reference to historical background, the points of view of various authors and their purposes, and analysis of various literary structures employed.

*REL 302 Spiritual Aspects of Care (3)*

Emphasizes the importance of the health care worker's role in spiritual care of clients. Includes spiritual needs from the perspective of major denominations and various cultural groups.

*SOC 110 Introduction to Sociology (3)*

This course introduces students to the discipline of sociology and the sociological perspective. The sociological perspective is applied to explain how society is organized; how society functions; and the relationship between the individual and society. Topics include examining the social structure and social institutions, social interactions and social change, and variables like race, ethnicity, age, gender, sexuality, religion, globalization, health, education, crime and the media.

*SOC 201 Medical Sociology (3)*

An examination of the diverse social, cultural, political, and economic context of medicine and health and illness processes. Topics include defining medical care and health care; social and cultural determinants of; health processes, outcomes, and the distribution of disease; health and illness behaviors; the organization of medical care delivery; distribution of health and medical resources. *Prerequisite:* ENG 102

*SOC 310 Sociology of Aging (3)*

An examination of aging as a social process rather than simply a biological one. Topics include understanding the diversity of the aging population; examining beliefs, norms, and values regarding aging and how these impact the aging experience; and exploring aging and ageism as they relate to areas of social stratification including family, employment, income, housing, and health and illness. *Prerequisite:* ENG 102

*SPA 201 Spanish I (3)*

Basic grammar and practice in conversation, reading, and composition. For beginning student.

*SPA 202 Spanish II (3)*

Grammar review, conversation, and reading in Spanish literature. *Prerequisite:* SPA 201.

*SPA 210 Spanish for Healthcare (3)*

An introduction to the basics of understanding and speaking Spanish in health care settings; with a focus on the cultural and social factors that influence the practitioner.

# BIOMEDICAL SCIENCES

## MISSION

The mission of the Biomedical Sciences Program is to prepare graduates with a solid foundation in natural and health sciences who demonstrate scientific proficiency and critical thinking skills to succeed in graduate schools and professional programs and/or careers in the health science field.

At the completion of the Biomedical Sciences program, the graduate is able to:

- Explain fundamental concepts in the major areas of biomedical sciences.
- Demonstrate the ability to communicate scientifically and apply it to current and future health care issues.
- Demonstrate a commitment to medical ethics and service to a diverse population.
- Successfully compete for enrollment in graduate and professional schools and/or careers in the health care field.

## PROGRAM LEARNING OUTCOMES

At the completion of the Biomedical Sciences program, the graduate will:

- Apply concepts in the biomedical sciences
- Integrate concepts in the biomedical sciences
- Demonstrate scientific literacy.
- Recognize ethical standards and practices in research methods and application to diverse populations.

## DEGREE REQUIREMENTS FOR A BACHELOR OF HEALTH SCIENCES IN BIOMEDICAL SCIENCES

<b>General Education Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202	Medical Terminology	2
BIO 110	General Biology I	4
BIO 120	General Biology II	4
BIO 342	Human Anatomy	4
BIO 345	Human Physiology	4
BIO 205	Microbiology	4
CHE 115	General Chemistry I	4
CHE 125	General Chemistry II	4
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 104	Medical Writing	1
ENG 201, 202, 203, 204	Literature Elective	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110	College Algebra	3
MAT 240	Elements of Calculus	3
MAT 211	Statistics	3
PHI 301	Biomedical Ethics	3
PSY 201	General Psychology	3
PSY 301	Human Growth and Development	3
REL 201, 210, 220, 301, 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/220	Speech Fundamentals/Intercultural Communication	3
HIS/LIT/PHI/PSY/REL/SOC	Humanities Elective	3
Foreign Language	Foreign Language	3
	<b>TOTAL</b>	<b>77 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
HSC 461	Bio-technique Seminar	2
BIO 350	Genetics	3
BIO 410	Molecular Cell Biology	4
CHE 210	Organic Chemistry I	4
CHE 220	Organic Chemistry II	4
CHE 310	Biochemistry	4
HSC 410	Professional Healthcare Roles	3
PHY 200	Physics I	4
PHY 205	Physics II	4
*Major Electives		15
	<b>TOTAL</b>	<b>47 Hours</b>
	<b>TOTAL CREDIT HOURS FOR DEGREE REQUIREMENTS</b>	<b>124 Hours</b>

<b>*Major Elective Options</b>		
<b>Category I- Upper Level ( at least 8 hours)</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 340	Histology	4
BIO 380	Physiological Psychology	3
BIO 390	Immunology	3
BIO 420	Endocrinology	3
BIO 460	Cancer Biology	3
CHE 330	Molecular Pharmacology	3
HSC 350	Perspectives in Epidemiology	3
HSC 460	Undergraduate Research	1
MAT 310	Biostatistics	3

<b>*Major Elective Options</b>		
<b>Category II- Lower Level</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 301/310	Pathophysiology/Applied Pathophysiology	3
BIO 315	Applied & Environmental Microbiology	3
BIO 320	Cross-Sectional Anatomy	2
BIO 401-404	Special Topics in Biology	1-4
HSC 310	Adverse Childhood Experiences	3
HSC 320	Research for Healthcare Professionals	3
POH 375	Infectious Diseases	3
PSY 320	Psychopathology	3
ECO 205	Health Economics	3

# HEALTH ADMINISTRATION PROGRAMS

Baptist University offers two programs that lead to a Bachelor of Health Sciences Degree in Health Administration:

- **Health Administration Undergraduate (4 –year) Program**
- **Health Administration Completion (Full-time 4 trimesters, Part-time 6-trimesters) Program**

The **Health Administration Undergraduate Program** is intended for students who are first-time university students or who have limited college experience, define as having completed 59 or fewer transferable credit hours at another accredited academic institution. The general education, elective, and professional courses are offered in blended, flex, online and face-to-face learning formats, providing greater flexibility and convenience for each student

The **Health Administration Completion Program** is intended for students who are working adults seeking a degree in Health Administration. The professional curriculum is designed to be accomplished in 6 trimesters by attending classes in an online format.

## MISSION

The **Health Administration Undergraduate (4-year) Program** and the **Health Administration Completion Program** delivers, high-quality, service-oriented education that prepares the next generation of healthcare administrators for individuals that are first time college students, entry level and early career adult learners, and advancing health care managers. The curriculum emphasizes student development in the following core areas: communication, professionalism, accountability, analytical thinking, cultural humility, collaboration, and community-centered team leadership.

**Vision:** To be recognized as the program of choice for developing healthcare administrators who support delivering innovative, evidence-based healthcare services in collaboration with their communities.

**Values:** Baptist Health Administration program SERVES our students, alumni, colleagues, partners and community. We define our program values as:

**Service** – Recognizes that we are interdependent, interrelated, and interconnected with each other and all those we serve.

**Effective** – Demonstrates clear articulation of thoughts and actions, verbally and in writing, to a diverse audience in a timely and professional manner.

**Respect** – Demonstrates fair, equitable, and culturally-competent treatment of colleagues, faculty, community members, and healthcare consumers.

**Versatile** – Demonstrates versatility, adaptability, and a willingness to learn and grow in the practice and profession of health administration.

**Excellence** – Strives to achieve their fullest potential and to foster the same ability in others as individuals and in teams.

**Skill** – Holds oneself accountable for developing the behavioral and technical skills required for professionals in healthcare administration.

## PROGRAM LEARNING OUTCOMES

Upon completion of their course of study, Health Administration graduates will:

- Demonstrate communication that is timely, professional, and effective to diverse healthcare audiences across the continuum of healthcare settings.
- Demonstrate the appropriate selection and use of tools, technology, and information to respond to and meet the needs of a wide range of collaborators in a variety of scenarios across the continuum of healthcare settings.
- Demonstrate leadership that is collaborative and community-centered in individual and team situations to address healthcare issues.
- Demonstrate behaviors that are culturally appropriate, culturally humble, achievement-oriented, professional, and ethical in a variety of scenarios across the continuum of healthcare settings.



## DEGREE REQUIREMENTS FOR A BACHELOR OF HEALTH SCIENCES IN HEALTH ADMINISTRATION

Academic Course Requirements	Credit Hours
General Education and Baptist University Courses	35
Pre-Major/Required and General Elective Courses	40
Health Administration Courses	47
<b>TOTAL</b>	<b>122 Hours</b>

General Education, Pre-Major, and Elective Courses		
Course #	Course Title	Credit Hours
<b>Communications</b>		<b>9</b>
ENG 101	English Composition I	3
ENG 102	English Composition II	3
COM 211 or 220	Communication	3
<b>Humanities/Fine Arts</b>		<b>6</b>
ENG 201, 202, 203, or 204	Literature	3
PHI 202 or PHI 301	Philosophy	3
<b>Religion</b>		<b>3</b>
REL 201, 210, 220, 301, or 302	Religion	3
<b>Social/Behavior Sciences</b>		<b>6</b>
PSY 201	General Psychology	3
SOC 201	Medical Sociology	3
<b>Natural Sciences/Mathematics</b>		<b>7</b>
BIO 110, BIO 201, CHE 115, or PHY 200	Natural Sciences	4
MAT 110 or MAT 240	Mathematics	3
<b>Baptist University Required Courses</b>		<b>4</b>
HSC 104 or 105	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
<b>Major Required Pre-Requisite Courses</b>		<b>9</b>
ACC 101 or similar equivalent	Accounting	3
ECO 205, microeconomic, macroeconomics, or similar equivalent	Economics	3
MAT 211 or similar equivalent	Undergraduate Statistics	3
<b>Other Elective Courses</b>		<b>31</b>
BUS 101	Intro to Business	3
Any Course from Natural Science, History, Humanities, Foreign Languages, Fine Arts, and Social/Behavioral Sciences	General Education Electives	16
General Electives	General Electives	12
<b>Total General Education and Elective Hours</b>		<b>75</b>

**Health Administration Major Courses**

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
HCM 303	Professionalism for Healthcare Administrators	1
HSC 320	Research For Health Professionals	3
HCM 345	Organizational Communications and Media Relations for Health Care Management	3
HCM 305	Principles of Health Administration	3
HCM 330	Human Resource Management	3
HSC 300	Multicultural Perspectives in Health and Healthcare	3
HCM 442	Principles of Population Health and Epidemiology	3
HCM 370	Health Care Finance	3
HCM 446	Business Methods for Health Care Management	1
HCM 425	Health Administration Information Systems	3
HCM 455	Introduction to Long-Term Care Administration	3
HCM 440	Law and Policy in Health Care	3
HCM 475	Operations Management in Health Care	3
HCM 360	Quality Improvement in Health Care	3
HCM 480	Strategic Management and Leadership	4
HCM 485	Senior Seminar	1
HCM 496	Capstone	1
HCM 395	Internship	3
<b>Health Administration Courses Total</b>		<b>47 Hours</b>
<b>TOTAL</b>		<b>122</b>

## DEGREE REQUIREMENTS FOR A BACHELOR OF HEALTH SCIENCES IN HEALTH ADMINISTRATION (COMPLETION)

Academic Course Requirements	Credit Hours
General Education and Baptist University Courses	35
Pre-Major/Required and General Elective Courses	40
Health Administration Courses	47
<b>TOTAL</b>	<b>122 Hours</b>

General Education, Pre-Major, and Elective Courses		
Course #	Course Title	Credit Hours
<b>Communications</b>		<b>9</b>
English Composition I *		3
English Composition II **		3
Speech Communication		3
<b>Humanities/Fine Arts</b>		<b>6</b>
Literature*		3
Philosophy, Foreign Language, Art, Music, Theater, Women's Studies, World/American History		3
<b>Religion</b>		<b>3</b>
Any Christian or comparative course		3
<b>Social/Behavior Sciences</b>		<b>6</b>
General Psychology (PSY 201 or similar equivalent)*		3
Sociology, Psychology, Anthropology, American Government, Geography, Political Science, Economics		3
<b>Natural Sciences/Mathematics</b>		<b>7</b>
Any science course		4
College Algebra (MAT 110 or similar equivalent)		3
<b>Baptist University Required Courses</b>		<b>4</b>
HSC 104 or 105	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
<b>Major Required Pre-Requisite Courses</b>		<b>9</b>
Accounting (ACC 101 or similar equivalent)		3
Economics (ECO 205, microeconomic, macroeconomics, or similar equivalent)		3
Undergraduate Statistics (MAT 211 or similar equivalent)		3
<b>Other General Elective Courses</b>		<b>31</b>
Transferable General Electives		31
<b>Total General Education and Elective Hours</b>		<b>75</b>

<b>Health Administration Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
HCM 303	Professionalism for Healthcare Administrators	1
HSC 320	Research For Health Professionals	3
HCM 345	Organizational Communications and Media Relations for Health Care Management	3
HCM 305	Principles of Health Administration	3
HCM 330	Human Resource Management	3
HSC 300	Multicultural Perspectives in Health and Healthcare	3
HCM 442	Principles of Population Health and Epidemiology	3
HCM 370	Health Care Finance	3
HCM 446	Business Methods for Health Care Management	1
HCM 425	Health Administration Information Systems	3
HCM 455	Introduction to Long-Term Care Administration	3
HCM 440	Law and Policy in Health Care	3
HCM 475	Operations Management in Health Care	3
HCM 360	Quality Improvement in Health Care	3
HCM 480	Strategic Management and Leadership	4
HCM 485	Senior Seminar	1
HCM 496	Capstone	1
HCM 395	Internship	3
<b>Health Administration Courses Total</b>		<b>47 Hours</b>
<b>TOTAL</b>		<b>122</b>

**\*Must be taken before entering the program**

**\*\*Required**

Additional regionally accredited college-level courses completed with a "C" or better will be accepted in the General Electives category.

# POPULATION HEALTH

## Mission

In the context of the Baptist Health Sciences University mission, the Population Health Program educates students through diverse, interprofessional and service experiences that are integral toward improving the health and well-being in the community.

## Program Learning Outcomes

Upon completion of the Population Health program, graduates of the program will be able to:

- Formulate healthcare needs assessments based on epidemiological data.
- Propose prevention programs that address identified healthcare needs in communities of study.
- Advocate for public health needs in defined communities to mitigate health outcomes.

## Degree Requirements for a Bachelor of Health Sciences in Population Health

<b>General Education Curriculum</b>		
BIO/CHE	Natural Science w/lab	4
BIO/CHE	Natural Science w/lab	4
COM	Communication Elective	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG	Literature Elective	3
SPA 201 & 202	Spanish I & II (or other foreign language)	6
HIS	History Electives	3
HPE 101	Health and Wellness	1
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110	College Algebra (or MAT 240 Elements of Calculus)	3
MAT 211	Statistics	3
Gen. Elec.	General Electives	6
PHI 301	Biomedical Ethics	3
PSY 201	General Psychology	3
PSY 301	Human Growth and Development	3
REL	Religion Elective	3
SOC 201	Medical Sociology	3
<b>Pre-Professional Total</b>		<b>61</b>

<b>Program Curriculum</b>		
MAT 310	Biostatistics	3
BIO/CHE	Natural Science (no lab required)	3
HSC 320	Research for Health Professionals	3
POH 301	Population Health Foundation	3
POH 315	Social and Behavioral Determinants of Health	3
POH 401	Population Health Education and Promotion	3
POH 410	Program Planning and Evaluation (w/lab)	4
HSC 350	Perspectives in Epidemiology	3
POH 320	Global Health Perspectives	3
HCM 359/ HCM 405	Health Care Data Analysis <i>or</i> Data Mining	3
HCM 442	Principles of Population Health and Epidemiology	3
HCM 425	Health Administration Information Systems	3
POH 430	Population Health Professions and Practice	3
POH 450	Population Health Capstone (includes internship or experiential activity)	7
<b>Total Program Core</b>		<b>47</b>

**Elective Options - Select a total of 12 credit hours from a single emphasis or any combination**

<b>Global Health Emphasis</b>		
POH 375	Global Infectious Diseases	3
POH 330	Aspects of Environmental Health	3
POH 415	Global Ethics and Justice	3
POH 370	Global Chronic Diseases	3

<b>Sociobehavioral Health Emphasis</b>		
HSC 310	Adverse Childhood Experiences Across the Life Course	3
SOC 310	Sociology of Aging	3
POH 425	Children and Families: Issues in Health, Poverty, and Policies	3
POH 340	Promoting Positive Youth Development	3

<b>General Population Health Emphasis</b>		
BIO 380	Physiological Psychology	3
HCM 360	Quality Improvement in Health Care	3
AHS 390	Aspects of Leadership for Health Science Professionals	3
POH 470	Special Topics (in either area of focus)	1-4
	<b>Program total</b>	<b>59</b>
	<b>Total Credit Hours</b>	<b>120</b>

# PRE-HEALTH STUDIES

## MISSION

Provide students with the opportunity to take general education and preparatory courses for a chosen field in health sciences. This program is designed to provide the students an opportunity to consider career alternatives.

## PROGRAM LEARNING OUTCOMES

At the completion of the Pre-Health Studies program, the graduate is able to:

- Explain the roles and responsibilities of health care professions.
- Demonstrate connections between general education and health care professions.
- Communicate knowledge effectively in written, oral, and technology-related formats.

## DEGREE REQUIREMENTS FOR AN ASSOCIATE OF SCIENCE IN PRE-HEALTH STUDIES

Course #	Course Title	Credit Hours
AHS 202	Medical Terminology	2
BIO 201	Anatomy & Physiology I w/ Lab	4
BIO 202	Anatomy & Physiology II w/ Lab	4
BIO 110, 120, 205 & 340	Life Science w/Lab	4
CHE 115, PHY 200	Physical Science w/ Lab	4
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203, 204	Literature Elective	3
HSC 104	Baptist College Experience	1
HSC 210	Career Planning in Health Sciences	1
HSC 301	U.S. Health Care Systems	3
MAT 110/240	College Algebra/Elements of Calculus	3
PHI 201, 202, 301	Philosophy Elective	3
PSY 201	General Psychology	3
REL 201, 210, 220, 301, 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/ 220	Communications Elective	3
*General Elective	Humanities/Social Science/Foreign Language/Health Science/Science Electives	13
	<b>TOTAL</b>	<b>63 Hours</b>

*\*Courses could include another Philosophy, Literature, Religion or History (transfer)*



# MINORS IN HEALTH ADMINISTRATION

Baptist University offers three minors related to Health Administration:

- **Health Administration**
- **Health Care Analytics**
- **Health Informatics**

A Health Administration minor is available to all students enrolled at Baptist University, with the exception of students enrolled as a Health Administration major. This minor consists of five courses totaling 15 credit hours (9 hours required; 6 hours electives).

Health Care Analytics and Health Informatics minors are available to all students enrolled at Baptist University. Both minors consist of five courses totaling 15 credit hours per minor.

With approval from the chair, additional courses that meet established health administration competencies may be used to fulfill minor requirements. Students should discuss their eligibility with the chair. Minor courses may be taken concurrently with degree requirements and must be completed prior to graduating.

<b>Minor in Health Administration</b>	
<b>Course #</b>	<b>Course Title</b>
<b>Required Courses – 9 Credit Hours</b>	
HCM 305	Principles of Health Administration
HCM 330	Human Resource Management
HCM 425	Health Administration Information Systems
<b>Elective Courses – 6 Credit Hours</b>	
POH 410	Program Planning and Evaluation
HSC 300	Multicultural Perspectives in Health and Healthcare
AHS 390	Aspects of Leadership for Health Science Professionals
NSG 415 / NSG 462	Professional Nursing Role/Quality Care & Patient Safety
HCM XXX	Any HCM Prefix Course except HCM 303, 485, 496, and/or 395

<b>Minor in Health Care Analytics</b>	
<b>Course #</b>	<b>Course Title</b>
<b>Required Courses – 15 Credit Hours</b>	
HCM 355	Information Systems Project Management
HCM 359	Health Care Data Analysis
HCM 360	Quality Improvement in Health Care
HCM 405	Health Care Data Mining
HCM 425	Health Administration Information Systems

<b>Minor in Health Informatics</b>	
<b>Course #</b>	<b>Course Title</b>
<b>Required Courses – 15 Credit Hours</b>	
HCM 355	Information Systems Project Management
HCM 365	The Ethics of Health Informatics
HCM 369	Health Informatics and Information Management
HCM 400	Health Care Informatics and Health Policy
HCM 425	Health Administration Information Systems

## INTERDISCIPLINARY STUDIES MINOR

An Interdisciplinary Studies Minor offers students the opportunity to choose a combination of courses that are relevant to meeting their professional goals and enhancing learning beyond their chosen major. Students are encouraged to work with their academic advisor to select courses concentrated in their area of interest. No more than six credit hours can be used for both a minor or and major course requirement.

### Requirements

1. Completion of the minor requires a minimum of 15 credit hours from the specified list of courses
  - Included in these 15 credit hours is HSC 360 Interdisciplinary Seminar (1 credit hour) which is required of all students
2. Courses may be taken concurrently with the degree requirements, assuming there is no scheduling conflict
  - All minor courses must be completed prior to graduation
  - The Interdisciplinary Studies Minor cannot be awarded without the completion of a Degree from Baptist Health Sciences University

<b>Specific Course Options in the Interdisciplinary Minor</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>Required Course</b>		
HSC 360	Interdisciplinary Seminar Course	1
<b>Course options</b>		
AHS 202	Medical Terminology	2
BIO 110	General Biology I	4
BIO 120	General Biology II	4
BIO 205	Microbiology	4
BIO 301	Pathophysiology	3
BIO 315	Applied and Environmental Microbiology	4
BIO 320	Cross Sectional Anatomy	2
BIO 340	Histology	4
BIO 350	Genetics	3
BIO 360	Applied Anatomy & Physiology	3
BIO 390	Immunology	3
BIO 460	Cancer Biology	3
CHE 115	General Chemistry I	4
CHE 125	General Chemistry II	4
CHE 210	Organic Chemistry I	4
CHE 220	Organic Chemistry II	4
CHE 310	Biochemistry	4
COM 220	Intercultural Communications	3
ENG 103	Writing for Health Care Professionals	1
ENG 104	Medical Writing	1
ENG 201	World Literature	3
ENG 202	American Literature	3
ENG 203	Literature and Medicine	3
ENG 204	Multi-cultural American Literature	3
HPE 101	Health and Wellness	1
HSC 310	Adverse Childhood Experiences Across the Life Course	3
HSC 320	Research for Health Professionals	3
HSC 350	Perspectives in Epidemiology	3
MAT 211	Statistics	3
MAT 230	Advanced Statistics	3
MAT 240	Elements of Calculus	3

NUT 101	Nutrition	3
PHI 201	Classical Issues in Philosophy	3
PHI 202	Critical Thinking	3
PHI 301	Biomedical Ethics	3
PHY 200	Physics I	4
PHY 205	Physics II	4
POH 301	Population Health Foundation	3
POH 315	Social and Behavioral Determinants of Health	3
POH 320	Global Health Perspectives	3
POH 340	Promoting Positive Youth Development	3
POH 370	Global Chronic Disease	3
POH 375	Global Infectious Diseases	3
POH 415	Global Ethics and Justice	3
POH 425	Children and Families: Issues in Health, Poverty, and Policies	3
PSY 301	Human Growth and Development	3
PSY 320	Psychopathology	3
REL 201	World Religions	3
REL 210	Old Testament Survey	3
REL 220	New Testament Survey	3
REL 301	Literature of the Bible	3
REL 302	Spiritual Aspects of Care	3
SOC 310	Sociology of Aging	3
SPA 201	Spanish I	3
SPA 202	Spanish II	3
SPA 210	Spanish for Healthcare	3

## RESEARCH MINOR

The research minor consists of two pathways: Clinical research and bench research. Each pathway requires a minimum of 15 credit hours, which includes 6 credit hours of required pathway specific practicum.

Course #	Course Title	Credit Hours
<b>Required Courses – Two trimesters of:</b>		
HSC 305	Practicum-Clinical Research or	3
HSC 306	Practicum- Bench Research	
	Total	6
<b>Course options – 9 Credit Hours</b>		
BIO 460	Cancer Biology	3
CHE 330	Molecular Pharmacology	3
HCM 355	Information System Project Management	3
HCM 359	Health Care Data Analysis	3
HCM 360	Quality Improvement in Health Care	3
HCM 405	Health Care Data Mining	3
HCM 425	Health Administration Information Systems	3
HSC 350	Perspectives in Epidemiology	3
HSC 460	Undergraduate Research	1
HSC 461	Bio-technique Seminar	2
MAT 211	Statistics	3
MAT 310	Biostatistics	3

## UNDECLARED MAJOR

For entering students or students who are unsuccessful in a professional program or decide they are no longer interested in their current professional program, this major would allow students to enter the university or to continue enrollment at Baptist University while exploring other programs/majors at the University. Students are limited to two trimesters in the Undeclared Major Status. Students are limited to taking the General Education and Health Studies courses and may not enroll in professional/major level courses. Students are responsible for contacting Financial Aid Services to determine impact on their aid.

Course #	Course Name	Credit hours
BIO 110	General Biology I	4
BIO 120	General Biology II	4
BIO 201	Anatomy and Physiology I	4
BIO 202	Anatomy and Physiology II	4
BIO 205	Microbiology	4
CHE 115	General Chemistry I	4
CHE 125	General Chemistry II	4
COM 211	Speech Fundamentals	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 201	Perspectives in World Literature	3
ENG 202	Perspectives in American Literature	3
ENG 203	Literature and Medicine	3
ENG 204	Contemporary American Literature: Cultural Diversity	3
HSC 104	Baptist University Experience	1
HSC 210	Career Planning in Health Sciences	1
HSC 301	U.S. Health Care Systems	3
HSC 320	Research for Health Professionals	3
MAT 110	College Algebra	3
MAT 211	Statistics	3
MAT 240	Elements of Calculus	3
NUT 101	Fundamentals of Nutrition	3
PHI 201	Classical Issues in Philosophy	3
PHI 202	Critical Thinking	3
PHI 301	Biomedical Ethics and Values	3
PHY 200	Physics I	4
PHY 205	Physics II	4
PSY 201	General Psychology	3
PSY 301	Human Growth and Development	3
REL 201	World Religions	3
REL 210	Old Testament Survey	3
REL 220	New Testament Survey	3
REL 301	Literature of the Bible	3
SOC 201	Medical Sociology	3

## DIVISION OF NURSING

### Administration

Name	Title
Anne Plumb	Dean and Professor
Cheryl Johnson-Joy	Associate Dean and Professor
Cathy Stepter	Chair Graduate Program, Professor
Angel Boling	Chair Undergraduate Program, Assistant Professor
Brenda McMillen	Academic Operations Coordinator
Katrina Carter	Secretary

### Faculty

Name	Title
Jessica Abutu	Nursing Lab Supervisor
Ivy Anderson	Assistant Professor
Takeitha Chambers	Assistant Professor
Pam Cherry	Associate Professor
Felicia Cobbs	Assistant Professor
Angie Crow	Assistant Professor
Shannon Davenport	Assistant Professor
Christina Hillhouse	Assistant Professor
Kim Kennel	Associate Professor
Brandi Lambert	Assistant Professor
Louise Manasco	Assistant Professor
Sharon Markham	Assistant Professor
Angela Merritt	Assistant Professor
Anita Mobraak	Associate Professor
Demetric Osborn	Assistant Professor
Deborah Overton	Assistant Professor
Carla Renee Parker	Associate Professor
Robert Parker	Assistant Professor
Kristie Peggins	Assistant Professor
Cheryl Scott	Assistant Professor
Amanda Riley	Assistant Professor
Laritha Sweet	Associate Professor
Rita West	Associate Professor

## PROGRAM MISSION

Congruent with the mission, vision, and values of Baptist University, the nursing faculty are committed to preparing graduates for careers of service and leadership by providing a comprehensive professional nursing education within an integrated environment of learning and Christian principles.

To fulfill its mission, the nursing faculty share a commitment with the University to:

- Educate individuals to value competence, caring and collaboration in their roles as members of the interprofessional health care team.
- Develop students to become engaged learners, scholars, and leaders in the nursing profession.
- Provide a curriculum that reflects a strong general education and scientific foundation.
- Create a collaborative and supportive learning environment in which students are encouraged to develop intellectually, socially and spiritually.
- Contribute positively to the health status of the community.
- Foster an atmosphere of respect for cultural diversity and the dignity of all persons.
- Promote and reward excellence in teaching, professional practice and scholarly activity.

## VISION

To be distinguished regionally for innovation and excellence in nursing education that prepares nursing graduates to transform health care.

## GOALS

The goals of baccalaureate nursing education at Baptist University are to:

1. Prepare professional nurses as generalists who:
  - Provide comprehensive direct and indirect patient-centered care for diverse populations along the health-illness continuum, in a variety of health care settings.
  - Promote quality and safety as well as stewardship of health care resources.
  - Use research to guide evidence-based practice.
2. Prepare graduates to successfully pass the National Council of State Boards of Nursing Licensure Examination for Registered Nurses (NCLEX-RN).
3. Provide an avenue for students of Associate Degree in Nursing and Diploma programs to attain the knowledge and competencies of the professional nurse at the baccalaureate level.

## CORE VALUES

The shared values of the learning community are:

- Integrity;
- Professionalism;
- Service as an expression of Christian Values;
- Continuous Improvement.

## PROGRAM LEARNING OUTCOMES

Using previously learned concepts (i.e., liberal arts, sciences, and nursing) the graduate will:

- Apply critical thinking and clinical reasoning skills to address simple to complex situations.
- Translate research based evidence into practice for safe, high-quality, patient-centered care outcomes.
- Practice holistic care in a variety of health care settings for diverse populations across the lifespan and the health/illness continuum.
- Integrate cultural, economic, social, environmental, genetic, regulatory, and political factors in designing care for individuals, families, and communities.
- Use standardized terminology, information systems, and patient care technology effectively.
- Use effective communication and collaboration skills with members of the health care team, patients, and support networks.
- Synthesize principles of leadership and management, accountability, and lifelong learning while functioning in multiple roles of care (i.e., designer, provider, manager, and coordinator) to ensure a safe practice environment.
- Incorporate legal and ethical precepts, as well as standards of practice, in serving as advocates for the patient and the profession.
- Integrate principles of quality improvement and safety to ensure optimum care.

## ACCREDITATION AND APPROVAL

The baccalaureate degree in nursing at Baptist University is accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, (202) 887-6791.

The baccalaureate nursing program is also approved by the Tennessee Board of Nursing (Health Related Boards, 665 Mainstream Drive, Nashville, TN 37243, 1-615-532-5166, [www.tn.gov/health](http://www.tn.gov/health)).

# BACHELOR OF SCIENCE IN NURSING SELECTION/PROGRESSION FOR THE NURSING PROGRAM

## 1. Applying to the Nursing Program

- **High School Seniors:** High school seniors admitted as freshmen to Baptist University may at the time of admission to the University be admitted to the nursing program. High school seniors, once enrolled at the University, and admitted to the nursing program must meet and maintain the criteria listed under "Selection to the Nursing Program: Minimum Criteria" to maintain guaranteed progression to the nursing program.

High school seniors who score a 24 or greater on the ACT may opt for the accelerated (3-year) nursing plan of study (beginning every fall trimester). All high school seniors must complete and submit an "Intent to Progress" form by posted deadlines (as a tracking measure for guaranteed placement and readiness to begin nursing courses).

- **Students in their first year of college (0-29 hours) and Transfer Students (30 or more hours):** Applicants who wish to be considered for selection to the nursing program must first meet all admission criteria and be accepted to the University. Once accepted and enrolled, students must then meet and maintain the criteria listed under "Selection to the Nursing Program". The student must complete and submit an "Intent to Progress" form by posted deadlines.

## 2. Selection to the Nursing Program – Minimum Criteria (Note: Criteria will differ for high school seniors opting for the accelerated nursing plan of study. Refer to the Accelerated Plan of Study on the nursing website.

<https://www.baptistu.edu/academics/nursing/bachelor-science-nursing-bsn/applying-program>)

- Meet all Baptist University admission requirements and be accepted to the University. Admission to Baptist University does not guarantee selection to the Nursing program as selection to the program is competitive.
- Earn a minimum grade point average of 2.8/4.00 in science and math courses. Number of science and math repeats will be considered in the selection process.
- Complete all lower division pre-nursing courses listed below with a minimum 2.8 GPA and a grade of C or better in all prerequisite courses ( 46 credits of coursework) by the end of the trimester that the Intent to Progress form is submitted. Show evidence that the four (4) hour Microbiology\* course (if not previously taken) will be completed during the first trimester enrolled in professional nursing courses as outlined in the sample curriculum plan at <https://www.baptistu.edu/academics/nursing/bachelor-science-nursing-bsn/curriculum>.

- A & P I & II\* (8 hours)
- Baptist University Experience\*\*\* (1 hour)
- College Algebra or Elements of Calculus (3 hours)
- English Composition I & II (6 hours)
- General Psychology (3 hours)
- Religion, Literature, Philosophy, Medical Sociology, US Health Care Systems, or General Elective \*\* (9 of 18 hours)
- Nutrition (3 hours)
- Pathophysiology\* (3 hours)
- Speech Fundamentals or Intercultural Communication (3 hours)
- Statistics (3 hours)
- Writing for the Health Care Professions (1 hour)
- Human Growth and Development (3 hours)

\*Science courses must have been completed within five years of the date of entrance to the University. If additional time lapses between the time the credit was earned and the date of request for progression to the major, the student may be asked to audit the course to validate currency of knowledge.

\*\*General Elective requirement can be met by completing any course in the following areas of knowledge: Humanities, Fine Arts, Social/Behavioral Sciences, History, or Foreign Language. The remaining 9 hours can be taken with the professional nursing curriculum prior to Adult Health Concepts I.

\*\*\* Students who transfer to Baptist University must complete 1-hour residence at Baptist University, the Baptist University Experience (BUE) with a grade of "C" or better by the end of the trimester that the Intent to Progress form is submitted.



- Students who are transferring from any other accredited nursing program must submit a letter of good standing from the dean/director of the previous nursing program and a college transcript verifying passing grades of a "C" or better in the nursing courses. Before transfer credit is considered, a course syllabus must be provided for review by the academic dean. Applicants with less than a "C" received from another institution in a nursing course will not be eligible for consideration. This includes repeated courses in which a grade above a "C" was earned.
- Earn a grade of "C" or better in any course required for the nursing major.
- Earn a minimum cumulative 2.8 GPA, which includes grades earned in courses taken toward the nursing major at Baptist University as well as grades earned in courses taken toward the nursing major transferred to Baptist University.
- Review/Understand the Technical Standards for Professional Nursing.
- Participate in an interview, if required.

**3. Selection/Progression in the Nursing Program is competitive.** Meeting minimum selection/progression nursing criteria does not guarantee placement in the nursing program. If the number of applicants exceeds the slots/positions available, some applicants may be placed on an alternate list. Placement on an alternate list does not guarantee admission to the nursing program. If openings do not become available, applicants on the alternate list may petition for the next deadline.

Deadlines for applicants to submit "Clinical Intent to Progress Forms":

- **September 15 for spring progression**
- **February 1 for summer progression**
- **May 15 for fall progression**

If a student is selected for progression but then fails to (a) successfully complete all required courses for the nursing major with a minimum grade of "C" or better, (b) maintain the overall GPA, and/or science and math GPA progression requirements, or (c) meet the residency requirement, the student will not automatically progress and must re-submit application for Intent to Progress to the nursing major.

## TECHNICAL STANDARDS FOR NURSING

The following technical standards outline reasonable expectations of a student enrolled in the nursing program for the performance of common nursing functions.\*

### **Communication**

Ability to communicate with a wide variety of people, and the ability to be easily understood. Reading, writing, recording and documenting patient information required.

### **Analytical Skills/Critical Thinking**

Analytical skills sufficient to process information, to transfer knowledge from one situation to another, and to prioritize tasks. Critical thinking ability sufficient for safe, clinical judgment.

### **Hearing**

Auditory ability sufficient to monitor and assess patient needs, to detect and respond to alarms, emergency signals, and cries for help.

### **Vision**

Visual ability sufficient for observation and assessment necessary for the care of patients and operation of equipment.

### **Tactile**

Tactile ability sufficient for patient assessment and operation of equipment.

### **Mobility**

Physical ability, flexibility, strength and stamina sufficient to provide safe and effective care.

### **Fine Motor Skills**

Fine motor abilities sufficient to provide safe and effective care.

### **Behavioral**

Emotional and mental health sufficient to establish therapeutic boundaries, to perform multiple tasks concurrently and to handle strong emotions.

\*Students who have accessibility questions or who need accommodations should contact the Section 504/ADA Academic Coordinator, Room 101, Science Building, at 901-572-2570 or by sending an email to [Disability.Accommodations@baptistu.edu](mailto:Disability.Accommodations@baptistu.edu).

## PROGRAM ACADEMIC GUIDELINES

### CPR CERTIFICATION

All students must complete CPR training prior to beginning clinical experience. Students are required to participate in the class Baptist University offers to provide evidence of recent certification in Basic Cardiac Life Support for Healthcare Provider. Evidence of current certification must be provided to progress in clinical nursing courses.

### CRIMINAL BACKGROUND CHECK AND DRUG SCREEN

All students must complete a criminal background check and drug screen prior to beginning their clinical experience. Evidence of background clearance and drug screen clearance must be provided to progress in clinical nursing courses. Criminal background check and drug screens are conducted through Baptist University Student Services.

### HEALTH REQUIREMENTS

Baptist University is committed to education and practices which contribute to preventing illness and maintaining health. It is expected that all students admitted to the University will have met the health requirements for enrollment, and appropriate requirements for clinical settings. Health requirements for enrollment include documentation of immunity for measles, mumps, rubella, varicella (chicken pox), tetanus, diphtheria, a negative TB screening, initiation of the hepatitis B series. In the case of documented medical and/or religious reasons an exemption may be issued.

Health requirements prior to the start of clinical courses include completion of the hepatitis B series, unless a documented medical and/or religious exemption has been approved. The University's Immunization Exemption Form must be completed in this instance. Documentation of a current TB skin test, and annually thereafter; documentation of annual flu vaccine; and documentation of a negative urine drug screen and COVID-19 test (RT-PCR) as requested by Baptist University is also required. Educational requirements required prior to the start of clinical courses include orientation to the health care environment, including facility specific and program-specific educational requirements, as applicable. This policy, "Immunization and Educational Requirements," can be found in its full version on MyCampus.

### TRANSPORTATION

Reliable transportation to, from, and during all clinical and field experiences is the responsibility of the student.

### LICENSURE

Upon graduation or successful completion of degree requirements (eligibility for graduation), graduates can make application to become candidates for licensure by exam as a registered nurse (RN) as awarded by the State Boards of Nursing (Additional requirements for licensure may be required by the state in which students practice).

## DEGREE REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN NURSING

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 201	Anatomy & Physiology I	4
BIO 202	Anatomy & Physiology II	4
BIO 205	Microbiology	4
BIO 301	Pathophysiology	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 103/ENG 105	Writing for the Health Care Profession/Advanced Writing	1
ENG 201, 202, 203	World/American Literature/Literature & Medicine	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110/MAT 240	College Algebra/Elements of Calculus	3
MAT 211	Statistics	3
NUT 101	Fundamentals of Nutrition	3
PHI 201, 202 or 301	Philosophy Elective	3
PSY 201	General Psychology	3
PSY 301	Human Growth & Development	3
REL 201, 210, 220, 301, 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/COM 220	Speech Fundamentals/Intercultural Communication	3
ELE	General Humanities, Social/Behavioral Sciences, History, Foreign Language, or Fine Arts Elective	3
<b>Total General Education Hours</b>		<b>59 Hours</b>

<b>Professional Nursing Course</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
NSG 304	Pharmacology	3
NSG 306	Health Assessment	3
NSG 307	Essentials of Professional Nursing	3
NSG 308	Foundational Concepts of Nursing	6
NSG 341	Adult Health Concepts I	7
NSG 351	Adult Health Concepts II	7
NSG 335	Nursing Research in Evidence-Based Practice	3
NSG 340	Psychiatric/Mental Health Nursing	5
NSG 345	Perspectives of Healthy Aging	2
NSG 360	Population Health Nursing	5
NSG 361	Pediatric Nursing	4
NSG 409	Maternal/Newborn Nursing	4
NSG 415	Professional Nursing Role/Quality Care & Patient Safety	3
NSG 442	Senior Nursing Capstone	7
NSG 445	Senior Seminar	1
<b>Total Nursing Hours</b>		<b>63 Hours</b>
<b>Overall Total</b>		<b>122 Hours</b>

## SELECTION/PROGRESSION FOR THE RN-BSN COMPLETION PROGRAM

A sequence of study for the diploma or associate degree nurse is available to qualified students who wish to pursue a Bachelor of Science in Nursing. Completion degree students are admitted to Baptist University and to the professional program simultaneously. Students may enroll in and complete General Education/Pre-Professional courses concurrently with professional nursing courses if desired.

## DEGREE REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN NURSING, RN-BSN COMPLETION PROGRAM

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 201	Anatomy & Physiology I	4
BIO 202	Anatomy & Physiology II	4
BIO 205	Microbiology	4
BIO 301	Pathophysiology	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 103/105	Writing for the Health Care Profession/Advanced Writing	1
ENG 201/ 202/203	World/American Literature /Literature & Medicine	3
HSC 105	Baptist University Experience/Completion Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110/MAT 240	College Algebra/Elements of Calculus	3
MAT 211	Statistics	3
PHI ELECTIVE	Philosophy Elective	3
PSY 201	General Psychology	3
SOCIAL/BEHAVIORAL SCIENCE ELECTIVE	Human Growth & Development, Anthropology, American Government	3
REL 201,220,210, 301,302	Religion Elective	3
SOC ELECTIVE	Sociology Elective	3
COM 211/COM 220	Speech Fundamentals /Intercultural Communication	3
ELE	General Humanities, Social/Behavior Sciences, History, Foreign Language, or Fine Arts Elective	3
<b>Total General Education Hours</b>		<b>56 Hours</b>
<b>Professional Nursing Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
NSG 303	Transitions to Professional Nursing	3
NSG 304	Pharmacology	3
NSG 306	Health Assessment	3
NSG 309	Introduction to Nursing Informatics	1
NSG 335	Nursing Research in Evidence-Based Practice	3
NSG 345	Perspectives of Healthy Aging	2
NSG 452	Population Health	3
NSG 453	Population Health Clinical Practicum	2
NSG 462	Professional Nursing Role/Quality Care and Patient Safety	4
NSG 463	Professional Nursing Role/ Quality Care & Patient Safety Clinical Practicum	2
<b>Subtotal Hours</b>		<b>26 Hours</b>
<b>Validation Credits</b>		<b>40 Hours</b>
<b>Total Nursing Hours</b>		<b>122 Hours</b>

## VALIDATION CREDITS

Baptist University encourages educational mobility for the registered nurse holding an associate degree or diploma in nursing from an accredited program. The active registered nurse license is recognized as evidence of basic nursing competency. Awarding of academic credit is accomplished through successful completion of a validation course. NSG 306 Health Assessment, when successfully completed, serves as validation for Foundational Concepts of Nursing, Maternal/Newborn Nursing, Adult Health Concepts I & II, Psychiatric/Mental Health Nursing, Pediatric Nursing, Senior Nursing Capstone, Senior Seminar, and Fundamentals of Nutrition.

## CREDIT FOR PRIOR LEARNING (CPL)

CPL is the process of earning college credit for college-level learning acquired from other sources, such as work experience, professional training, military training, and/or knowledge/skills associated with professional licensure/certification processes. Validation of a course for blocks of credit (as indicated above) is a type of CPL.

- **Credit by Portfolio**

CPL may be earned for NSG 453 or NSG 463 through submission of a Portfolio.

Credit by Portfolio is a CPL option whereby students may earn credit by submitting a portfolio which demonstrates knowledge, competencies and skills related to specific course learning outcomes, through narrative and artifacts. Refer to course instructor for further details.

- **Competency-based Challenge Exams**

Credit can be earned for NSG 304 and NSG 306 by successfully passing RN Pharmacology and RN Physical Assessment challenge exams developed by the National League for Nursing. Refer to Dean of Nursing or designee for further details.

## NURSING COURSE DESCRIPTIONS

### *NSG 303 Transition to Professional Nursing (3)*

Builds on prior experience of the registered nurse pursuing a baccalaureate degree with an emphasis on professional standards, nursing philosophies and theories, and current issues in practice. Critical thinking/clinical reasoning skills, professional communication, use of technology and portfolio development are integral components. *This course is for the RN-BSN student only.*

### *NSG 304 Pharmacology (3)*

Focuses on the principles of pharmacology and pharmacogenetics. Pharmacologic management of disease prevention and disease management, including alternative therapies are emphasized. A culture of safety is stressed for the delivery of patient-centered care. Challenge exam available for RN-BSN completion students with the approval of the Dean of Nursing. *Prerequisites: BIO 301 (BSN, pre-licensure students only).*

### *NSG 306 Health Assessment (3)*

Introduces basic concepts of health history and physical examination techniques for patients across the lifespan. Emphasizes normal developmental changes as well as deviations from normal. Introduces age-related changes and assessment instruments. Explores physical, psychosocial, cultural, and nutritional dimensions related to assessment. This course serves as validation for prior nursing education for the RN-BSN student. A challenge exam is available for RN-BSN students with the approval of the Dean of Nursing. Two credit hours theory, one credit hour lab. *BSN, pre-licensure students only: Prerequisite: BIO 301, Prerequisite/Corequisite: PSY301.*

### *NSG 307 Essentials of Professional Nursing (3)*

Introduces the essential concepts and evolution of the professional nursing role. Explores the roles of the baccalaureate generalist nurse.

### *NSG 308 Foundational Concepts of Nursing (6)*

Focuses on foundational concepts and principles necessary to provide client-centered care. Three credits theory, three credit hours lab/clinical. *Prerequisite: NSG306 and NSG 307.*

*NSG 309 Introduction to Nursing Informatics (1)*

Provides a foundation for an understanding and appreciation of nursing informatics and for future informatics content integrated in the curriculum. Examines major legislation and regulatory agencies related to information technology and patient privacy, foundational computer and information management skills, use of strategies and technologies to promote a safe patient environment, standardized nomenclatures and data structures and healthcare information systems. This course is for RN-BSN students only.

*NSG 335 Nursing Research in Evidence-Based Practice (3)*

Provides the student with an overview of selected qualitative and quantitative research designs. The student is introduced to research terminology, information literacy and technology, ethical issues, data collection methods, and analysis and interpretation of data. Emphasis is on appraisal and utilization of research findings that impact safe, quality care outcomes. Focus is on evidence-based practice and the professional role of the evidence user. *Prerequisites: MAT 211, NSG 341 (BSN, pre-licensure students only).*

*NSG 340 Psychiatric/Mental Health Nursing (5)*

Introduces health promotion, health maintenance, and restoration of health for patients experiencing acute and chronic mental/behavioral illnesses. Emphasizes safe and quality patient care, clinical reasoning, cultural sensitivity, effective and therapeutic communication, and professionalism. Experiential learning is provided in a variety of mental/behavioral health settings. The role of the baccalaureate generalist nurse is reinforced. Three credit hours theory, two credit hours clinical. *Prerequisite: NSG 351*

*NSG 341 Adult Health Concepts I (7)*

Focuses on concepts and principles necessary to provide client-centered nursing care to adults with common health alterations. Four credit hours theory, three credit hours lab/clinical. Pre-requisite 308; Co-requisite 304.

*NSG 345 Perspectives on Healthy Aging (2)*

Focuses on healthy aging, health promotion, and minimizing the loss of independence associated with functional decline and illness. Integrates critical thinking and clinical reasoning to address the unique aspects of physical and psychosocial age-related changes of older adults. Communication and collaboration among the interprofessional team members are emphasized for patient-centered care of older adults and families. *Prerequisite: NSG 341 (BSN, pre-licensure students only).*

*NSG 351 Adult Health Concepts II (7)*

Focuses on concepts and principles necessary to provide client-centered nursing care to adults with complex multi-system health alterations. Four credit hours theory, three credit hours lab/clinical. Pre-requisite NSG 304 and NSG 341.

*NSG 360 Population Health (5)*

Introduces the student to population-focused care with emphasis on health promotion and disease and injury prevention across the lifespan. Relationships between the determinants of health to health, illness, disease, disability and mortality are examined. Concepts of cultural and spiritual sensitivity, ethical decision making, disaster planning and preparedness, including mass casualty disasters, and advocacy for environmental and social justice as interventions for improving population health are emphasized. The role of the baccalaureate generalist nurse is reinforced. Three credit hours theory, two credit hours clinical. *Prerequisite: NSG 351, NSG 335.*

*NSG 361 Pediatric Nursing (4)*

Introduces concepts and principles necessary to provide nursing care to children under 18 years of age and their families. Two credit hours theory, two credit hours lab/clinical. Pre-requisite NSG 351.

*NSG 409 Maternal Newborn Nursing (4)*

Introduces concepts and principles necessary to provide nursing care to neonates and child-bearing families. Two credit hours theory, two credit hours lab/clinical. Pre-requisite NSG 351.

*NSG 415 Professional Nursing Role/Quality Care and Patient Safety (3)*

Builds on professionalism and the values needed in the professional nurse role. The course focuses on the organizational skills and leadership knowledge needed to provide high quality and safe patient care. Communication and collaboration among health care professionals are emphasized. Health care policy, finance and regulatory environments are discussed as important considerations in professional nursing practice. A portion of the course focuses on the translation of current evidence and how the evidence is applied to nursing practice. Informatics and technology are integrated throughout the course. *Prerequisite: NSG 351. This course is recommended to be taken the trimester prior to graduation.*

*NSG 442 Senior Nursing Capstone (7)*

Focuses on the student's transition as a baccalaureate generalist graduate. Emphasis is on clinical/critical reasoning to address simple to complex situations across the lifespan and health-illness continuum from a holistic approach. Provides experiential learning under the direction of nurse preceptors and nursing faculty in a variety of practice settings. The student engages in inquiry that is evidence-based and applies research principles in the clinical setting. Informatics and technology are integrated throughout the course. Synthesis of knowledge from prior nursing courses and general education studies is required for successful completion. Three credit hours theory, four credit hours clinical. *Must be taken trimester of anticipated graduation. Prerequisite: NSG 415.*

*NSG 445 Senior Seminar (1)*

Focuses on the transition from student to entry-level professional nurse. Attendance at a NCLEX-RN review course and practice with NCLEX-RN type questions are integral components of this course. Passage of a comprehensive exit examination is required for successful completion of the course. *Must be taken trimester of anticipated graduation.*

*NSG 452 Population Health (3)*

Introduces the student to population-focused care with emphasis on health promotion and disease and injury prevention across the lifespan. Relationships between the determinants of health to health, illness, disease, disability and mortality are examined. Concepts of cultural and spiritual sensitivity, ethical decision making, disaster planning and preparedness, including mass casualty disasters, and advocating for environmental and social justice for improving population health are emphasized. Three credit hours theory. Must be taken concurrently with NSG 453. This course is for RN-BSN students only.

*NSG 453 Population Health Clinical Practicum (2)*

Provides the student with experiential learning experiences in population-health nursing practice settings under the direction of a community-based preceptor and course faculty. The role of the baccalaureate generalist nurse is reinforced. Two credit hours clinical. This course is for RN-BSN students only. This course must be taken concurrently with NSG 452.

*NSG 462 Professional Nursing Role/Quality Care and Patient Safety (4)*

Builds on professionalism and the values needed in the professional nurse role. Focus is on examining the knowledge, skills and attitudes needed of a nurse leader to provide high quality and safe patient care. A portion of the course focuses on the translation of current evidence and how the evidence is applied to nursing practice. Informatics and technology are integrated throughout the course. Topics include nursing leadership in the 21<sup>st</sup> century, healthcare reform, quality care initiatives, patient care delivery and the work environment, patient-centered care-HCAHPS, reimbursement, and recognition. Four credit hours theory. Must be taken concurrently with NSG 463. This course is for the RN-BSN student only.

*NSG 463 Professional Nursing Role/Quality Care and Patient Safety Clinical Practicum (2)*

Provides students with clinical experiences in coordinating care for individuals and families within and across levels of care. The student works with leaders to understand the importance of health policy, finance, and regulatory environments, and how these influence professional nursing practice. Two credit hours clinical. This course must be taken concurrently with NSG 462. This course is for the RN-BSN student only.

## DIVISION OF ALLIED HEALTH

### Administration

Name	Title
Cameron Conn	Interim Dean
Vacant	Associate Dean
Linda Polk	Academic Operations Coordinator
Kira Anderson	Chair and Assistant Professor, Respiratory Care
Christen Ganley	Chair and Instructor, Radiation Therapy
Donna Mars	Chair and Associate Professor, Nuclear Medicine Technology
Maggie Marsh-Nation	Chair and Assistant Professor, Neurodiagnostic Technology
Pamela Siggers	Chair and Instructor, Surgical Technology
Connie Willis	Chair and Assistant Professor, Diagnostic Medical Sonography
Darius Wilson	Chair and Professor, Medical Laboratory Science
Thomas Wolfe	Chair and Assistant Professor, Medical Radiography

### Faculty

Name	Title
Antionette Beckley	Assistant Professor, Respiratory Care
Lauren Brown	Instructor (MP), Radiation Therapy
Katie Cody	Instructor (MP) , Diagnostic Medical Sonography
Tameka Gooden	Assistant Professor, Medical Laboratory Science
Abby Kurtz	Assistant Professor, Diagnostic Medical Sonography
Mary Grace Renfro	Instructor (MP), Diagnostic Medical Sonography
Benjamin Roberts	Assistant Professor, Medical Radiography
Nikki Robinson	Instructor (MP), Nuclear Medicine Technology
Debra Smith	Assistant Professor, Medical Radiography

## PHILOSOPHY

The Allied Health programs award the baccalaureate degree in health sciences which provides the academic and experiential foundations to prepare graduates for challenging careers as practitioners and leaders in health care. Through an integrated, goal-directed educational experience, graduates are prepared to provide responsive, quality care, and service to a diverse population in a variety of settings. This goal is readily accomplished in an atmosphere grounded in the Christian principles reflected in the mission of Baptist University.

Faculty believe that quality educational experiences are enhanced when responsibility is shared between the instructor and the learner. Since each learner comes to Baptist University with unique strengths, talents, and previous experiences, the faculty are committed to maximizing the development of the individual's potential, in order to meet the education standards of the discipline.

## GOAL

To fulfill the mission of Baptist University, the Allied Health Division is committed to educating health care professionals in a Christian atmosphere for diverse interprofessional practice environments.

The faculty and staff of the Allied Health Division of Baptist University are committed to providing quality educational programs in a learning-centered environment to promote student success.



## PROFESSIONAL CREDENTIALS

Majors in the division of Allied Health encompass many health professions that are generally distinguished by their preparation for an applied clinical health professional credential. Such credentials are dependent on national requirements of each profession and state laws. Students matriculating through programs in the Allied Health Division of Baptist Health Sciences University may seek majors to earn the following credentials:

### **Diagnostic Medical Sonography Professional Credentials**

Students successfully completing all diagnostic medical sonography degree requirements will receive a bachelor of health sciences (BHS) degree with a major in diagnostic medical sonography. Graduates can then be considered candidates for examinations given by the American Registry of Diagnostic Medical Sonography (ARDMS). Upon successful completion of the Sonography Principles and Instrumentation (SPI) examination and other specialty examinations, graduates can earn the following credentials: Registered Diagnostic Medical Sonographer (RDMS), Registered Vascular Technologist (RVT), and Registered Diagnostic Cardiac Sonographer (RDCS). *Additional requirements for licensure may be required by the state in which you practice.*

### **Medical Laboratory Science Professional Credentials**

Students successfully completing all medical laboratory science degree requirements will receive a bachelor of health sciences (BHS) degree with a major in medical laboratory science. Graduates can then be considered candidates eligible to take national certification examinations for medical laboratory science. In addition, graduates are eligible to apply for the Tennessee licensure upon successful completion of the national certification examination, unless specifically exempt by statute or rules promulgated by the Tennessee Medical Laboratory Board, as a medical laboratory technologist (MT) and/or medical laboratory scientist (MLS). *Additional requirements for licensure may be required by the state in which you practice.*

### **Medical Radiography Professional Credentials**

Students successfully completing all medical radiography degree requirements will receive a bachelor of health sciences (BHS) degree with a major in medical radiography and can become candidates to sit for the American Registry of Radiologic Technologists (ARRT) Radiography (R) certification examination. Graduates who have successfully completed the required Computed Tomography and Magnetic resonance didactic courses and seek further clinical competencies can also be candidates for the ARRT (CT) and ARRT (MR) registry after passing the ARRT Radiography (R) certification examination. *Additional requirements for licensure may be required by the state in which you practice.*

### **Neurodiagnostic Technology Professional Credentials**

Students successfully completing all neurodiagnostic technology degree requirements will receive either an associate of science (AS) degree with a major in neurodiagnostic technology or a bachelor of health sciences (BHS) degree with a major in neurodiagnostic technology. Neurodiagnostic Technologists can be eligible to earn the following credentials after completion of the prerequisite number of neurodiagnostic studies required: Registered Electroencephalographic Technologist (R. EEG T), Registered Evoked Potential Technologist (R. EP T.), and Registered Nerve Conduction Study Technologist (R. NCS T).

### **Nuclear Medicine Technology Professional Credentials**

Students successfully completing all nuclear medicine degree requirements will receive a bachelor of health sciences (BHS) degree with a major in nuclear medicine technology. They are eligible to apply to sit for the national exams in nuclear medicine technology administered by either the Nuclear Medicine Technology Certification Board (NMTCB) or the American Registry of Radiologic Technologists (ARRT). Upon earning credentials as a nuclear medicine technologist by either of these credentialing agencies, graduates who have successfully completed the required Computed Tomography (CT) clinical competencies are also candidates for the ARRT (CT) registry. Graduates who have completed the required CT clinical hours and clinical competencies are also eligible for the NMTCB (CT) certification exam. *Additional requirements for licensure may be required by the state in which you practice.*

### **Radiation Therapy Professional Credentials**

Students successfully completing all degree requirements in radiation therapy will receive a bachelor of health sciences (BHS) degree with a major in radiation therapy. Upon successful completion of degree requirements, students can become candidates to sit for the American Registry of Radiologic Technologists (ARRT) Radiation Therapy (T) certification examination. *Additional requirements for licensure may be required by the state in which you practice.*

### **Respiratory Care Professional Credentials**

Students successfully completing all respiratory care degree requirements will receive a bachelor of health sciences (BHS) with a major in respiratory care. Upon successful completion of degree requirements, students can become candidates for board examinations to receive credentials as a registered respiratory therapist (RRT) or a certified respiratory therapist (CRT) as awarded by the National Board for Respiratory Care (NBRC). *Additional requirements for licensure may be required by the state in which you practice.*

Respiratory therapists can also be awarded specialty credentials beyond the RRT credential after they take board examinations in the following areas: Adult Critical Care Specialist (ACCS), Registered Pulmonary Function Technologist (RPFT), Neonatal-Pediatric Respiratory Care Specialist (NPS), Sleep Disorders Testing and Therapeutic Intervention Respiratory Care Specialist (SDS).

### **Surgical Technology Professional Credentials**

Students successfully completing all degree requirements in surgical technology will receive an associate of science (AS) degree with a major in surgical technology. Upon successful completion of degree requirements, students can become candidates to sit for the National Board of Surgical Technology and Surgical Assisting (NBSTSA) certification examination.

## **CLINICAL ASSIGNMENTS INFORMATION**

### **CPR CERTIFICATION**

All students who have direct patient contact must complete Cardiopulmonary Resuscitation (CPR) training prior to beginning clinical experiences. If required by the discipline, students must participate in classes offered by Baptist University and provide evidence of current certification in CPR for the Health Care Provider, administered by the American Heart Association, before beginning clinical courses.

### **CRIMINAL BACKGROUND CHECK**

Students applying to all undergraduate and graduate programs must submit to and demonstrate satisfactory completion of a criminal background check as a requirement for enrollment to Baptist University. A mandatory update must be completed prior to initial placement in a clinical course or internship.

Students applying to completion programs who are practicing in the field in which they are applying and hold an unencumbered license are required to complete a full background check prior to entering clinicals.

Students who refuse to submit to a background check or refuse to allow Baptist University access to the report will be dismissed from Baptist University and will be ineligible for readmission. Those who do not pass the background check are afforded the opportunity to explain the circumstances surrounding the situation. If the student is ineligible for clinical placement/internship, he/she will be dismissed from Baptist University.

## **IMMUNIZATION AND EDUCATIONAL REQUIREMENTS**

Baptist University is committed to education and practices which contribute to preventing illness and maintenance of health. It is expected that degree-seeking students admitted to the University will have met the immunization requirements for enrollment and appropriate requirements for clinical settings.

- Immunization requirements for enrollment:
  - Documentation of immunity for measles, mumps, rubella, chicken pox (varicella), tetanus, diphtheria, pertussis; negative TB screening; and initiation of Hepatitis B series.
  - Documentation of meningitis immunization for students living in campus housing under the age of 22.
- Immunization requirements prior to the start of clinical courses:
  - Completion of Hepatitis B series unless documented medical reason given. Declination statement must be signed in this instance.
  - Documentation of current tuberculosis skin test at time of enrollment and annually thereafter.
  - Documentation of negative urine drug screen prior to entrance into clinical coursework.
  - Documentation of flu immunization.

- Educational requirements prior to the start of clinical courses:
  - Orientation to the health care environment, including facility-specific and program-specific educational requirements, as applicable.

## PROFESSIONAL ATTIRE

All allied health students must demonstrate professional appearance in attire and grooming during clinical assignments. Unless otherwise required by a clinical site, allied health students must wear galaxy blue scrubs with the Baptist University patch centered on left sleeve of all scrub tops and short white lab coats with the patch on the left sleeve, 3 inches below shoulder seam. Students should refer to the program-specific Clinical Handbook in the individual discipline for detailed information related to the required professional attire and appearance standards. In addition, students must always wear their Baptist University identification badge clearly visible to faculty and staff, patients, and clinical colleagues at all times.

## TRANSPORTATION

Due to the limited number of clinical sites available, students may be assigned to out-of-town locations in order to gain the appropriate amount and type of clinical experiences necessary to provide sufficient opportunities to demonstrate required program outcomes. Transportation to, from, and during all clinical assignments is the responsibility of the student.

## TECHNICAL STANDARDS FOR ALLIED HEALTH PROGRAMS

The following technical standards outline reasonable expectations of a student in the Allied Health programs for the performance of common clinical functions.\*

### **Communication**

Ability to communicate with a wide variety of people and the ability to be easily understood. Reading, writing, recording, and documenting patient information is required.

### **Analytical Skills/Critical Thinking**

Analytical skills sufficient to process information, to transfer knowledge from one situation to another, and to prioritize tasks. Critical thinking ability sufficient for safe, clinical judgment.

### **Hearing**

Auditory ability sufficient to monitor and assess patient needs; to detect and respond to alarms, emergency signals, and cries for help.

### **Vision**

Visual ability sufficient for observation and assessment necessary for the care of patients and operation of equipment.

### **Tactile**

*Tactile ability sufficient to assess patients, perform procedures, and operate equipment.*

### **Mobility**

Physical ability, flexibility, strength, and stamina sufficient to provide safe and effective care.

### **Fine Motor Skills**

Fine motor abilities sufficient to provide safe and effective care.

### **Behavioral**

Emotional and mental health sufficient to establish therapeutic boundaries, to perform multiple tasks concurrently, to handle strong emotions, and to work effectively in a fast-paced environment.

\*Students who have accessibility questions or who need accommodations should contact the Section 504/ADA Academic Coordinator, Room 101, Science Building, at 901-572-2570 or by sending an email to [Disability.Accommodations@baptistu.edu](mailto:Disability.Accommodations@baptistu.edu).

## ALLIED HEALTH SCIENCE COURSE DESCRIPTIONS

### ALLIED HEALTH SCIENCE

Allied Health Science courses are designed for the health care generalist who is an applied clinical program. This means that courses under the prefix of Allied Health Science (AHS) are not designed to be limited to specific degree programs but are interprofessional and open to all majors and disciplines at the university.

### COURSE DESCRIPTIONS

#### *AHS 202 Medical Terminology for the Health Sciences (2)*

This course will focus on the applications of the rules for constructing and defining medical terms with an emphasis on prefixes, suffixes, root words, and combining forms. (Open to all disciplines)

#### *AHS 205 Collaboration for Quality in Interprofessional Care (1)*

This course provides an interdisciplinary approach to the acquisition of knowledge and skills related to the care of patients in healthcare settings. Emphasis will be placed on regulatory compliance, patient assessment, patient safety, and medical interventions.

#### *AHS 310 Medical Informatics (1)*

This course introduces health care information and technology systems used in clinical practice, including mandatory patient-centered documentation for federal, state and credentialing agencies.

#### *AHS 390 Aspects of Leadership for Health Sciences Professionals (3)*

This course explores attributes and skill sets essential for health science professionals as team members, educators, and leaders. Concepts and behaviors relevant to the facilitation of collaboration, patient/family and peer education, leadership, and management, relative to the provision of health services and related financial impact are emphasized.

### INTERDISCIPLINARY COURSES

Interdisciplinary courses are presented in a multidisciplinary format. These courses are taught by major program faculty.

### COURSE DESCRIPTIONS

#### *IDC 410 Applied Clinical Research (6)*

This course enhances the practitioner's clinical, analytical, and problem solving skills through the completion of a project under the supervision and guidance of a faculty member. *Prerequisites* ENG 101, ENG 102, MAT 211.

# DIAGNOSTIC MEDICAL SONOGRAPHY

## MISSION

The Diagnostic Medical Sonography (DMS) degree program of Baptist Health Sciences University will provide an excellent educational program to prepare students to enter the dynamic field of diagnostic medical sonography.

## PROGRAM LEARNING OUTCOMES

To prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the following concentrations: abdominal sonography- extended, obstetrics and gynecology sonography, and vascular sonography.

Upon completion of the course of study in Diagnostic Medical Sonography, graduates will:

- Function as a knowledgeable entry-level sonographer.
- Demonstrate clinical proficiency of sonographic procedures.
- Exhibit behavior skills that reflect professionalism, effective communication, and time management skills.

## ACCREDITATION OF THE PROGRAM

The program is accredited by the Commission on Accreditation of Allied Health Education Programs ([CAAHEP](http://www.caahep.org)) on recommendation by the Joint Review Committee on Education Programs in Diagnostic Medical Sonography (JRC-DMS). The program at Baptist University is accredited in both the general and vascular concentrations.

- CAAHEP (9355-113<sup>th</sup> St. N., #7709 Seminole, FL 33775, 727-210-2350, [www.caahep.org](http://www.caahep.org) )
- JRC-DMS (6021 University Blvd. Suite 500 Ellicott City, MD 21043, 443-973-3251, [www.jrcdms.org](http://www.jrcdms.org) )

## APPLYING TO THE PROGRAM

Students are considered to be in the pre-Diagnostic Medical Sonography program once they are admitted to Baptist University and have declared a major. To progress from pre- Diagnostic Medical Sonography to the clinical major, the student must have completed 24 credit hours of required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the spring trimester. Class size is limited and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If currently enrolled in another college, we strongly recommend that you apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University

**Step 2:** Submit all required admission documentation

**Step 3:** Accept offer to attend Baptist University

**Step 4:** Complete and/or transfer 24 credit hours of pre-program course work with a C or better, as specified by the Diagnostic Medical Sonography program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form

Submission of the Allied Health Intent to Apply form guarantees consideration into the selection process for the program.

To be competitive in the selection process, applicants should maintain a cumulative college GPA of 2.7 or above. Applicants should earn a B or better in all pre-program courses, to be competitive.

## MINIMUM CRITERIA TO APPLY

The minimum criteria to apply to the DMS Program is:

- Accept offer to attend Baptist University
- Complete and/or transfer 24 credit hours of program prerequisite coursework with a C or better. Anatomy and Physiology I, Anatomy and Physiology II, English Composition I, English Composition II, and College Algebra or Elements of Calculus are the courses that must be completed as a part of the 24 hours of required program prerequisites courses. The remaining 7 credit hours may be from other courses, as specified by the Diagnostic Medical Sonography program degree requirements.
- Hold a pre-program courses GPA of 2.7 or higher on a 4.0 scale.

## PROGRAM SELECTION PROCESS

A selection committee for the DMS program will evaluate all completed applications. Applicants with a strong academic background and currently enrolled in Baptist University, or applicants completing pre-program courses at institutions with collaborative or articulation agreements will receive priority consideration for interviews. Student selection into the program is competitive, and applicants meeting minimum selection criteria are not guaranteed an interview. Some students may choose to indicate interest in more than one program to increase their chances of being accepted to a program during a year of highly competitive applicants.

Selection to the DMS program is based on the following:

- Academic potential for success from the academic record.
- Academic strength in previous college coursework, with specific attention given to performance in the preprogram courses.
- Past failures affecting cumulative college GPA and preprogram courses may impact selection into the program. Each file will be considered individually.
- Preference may be given to qualified applicants completing courses at Baptist University.
- A personal interview will be required of each applicant. Students will be evaluated on personal strengths and knowledge of the Diagnostic Medical Sonography program and profession.

Notification of Selection:

Applicants will be notified in writing of selection to the DMS program.

If selected, in order to remain in the cohort for which the students were selected, all DMS pre-requisite courses as well as the DMS 300 course must be completed with a grade of C or better; the latter will allow students to enroll in their first DMS clinical Course, DMS 392, Introduction to Clinical Practice, which occurs in the summer term.

If students are not successful in completing all of the DMS pre-requisite courses as stated above, students will no longer be able to remain in the cohort for which they were selected, though they will be able to re-apply to the DMS program in the future.

## DEGREE REQUIREMENTS FOR BACHELOR OF HEALTH SCIENCES IN DIAGNOSTIC MEDICAL SONOGRAPHY

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202	Medical Terminology for the Health Sciences	2
BIO 201*	Anatomy and Physiology I	4
BIO 202*	Anatomy and Physiology II	4
BIO 301	Pathophysiology	3
BIO 320	Cross Sectional Anatomy	2
ENG 101*	English Composition I	3
ENG 102*	English Composition II	3
ENG 201, 202, 203 or 204	Literature Elective	3
HCM 440	Law and Policy in Healthcare	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110/240*	College Algebra/Elements of Calculus	3
MAT 211	Statistics	3
PHI 301	Biomedical Ethics and Values	3
PHY 200	Physics I	4
PSY 201	General Psychology	3
REL 201, 210, 220, 301, or 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/220	Speech Fundamentals/Intercultural Communication	3
	<b>Total</b>	<b>56 Hours</b>
<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
DMS 300	Introduction to Sonography and Patient Care	3
DMS 310	Foundations of Diagnostic Medical Sonography	3
DMS 320	Sonographic Research I	1
DMS 321	Sonographic Research II	1
DMS 353	General Sonography I	3
DMS 354	General Sonography II	3
DMS 355	General Sonography III	3
DMS 380	Vascular Sonography I	3
DMS 381	Vascular Sonography II	3
DMS 382	Vascular Sonography III	3
DMS 392	Introduction to Clinical Practice	3
DMS 393	Clinical Practicum I	4
DMS 400	Capstone Seminar	1
DMS 436	Physical Principles of Ultrasound and Instrumentation I	3
DMS 437	Physical Principles of Ultrasound and Instrumentation II	3
DMS 462	Obstetrical and Gynecological Sonography I	3
DMS 463	Obstetrical and Gynecological Sonography II	3
DMS 474	Cardiovascular Hemodynamics and Physiology	1
DMS 475	Cardiac Sonography I	3
DMS 476	Cardiac Sonography II	3
DMS 495	Clinical Practicum II	4
DMS 496	Clinical Practicum III	4
DMS 497	Clinical Practicum IV	4
DMS 498	Clinical Practicum V	5
	<b>Total</b>	<b>70 Hours</b>
	<b>Total Credit Hours for Degree Requirement</b>	<b>126 Hours</b>

*Degree Plan Subject to Change.*

\*These courses must be completed as a part of the 24 hours of required pre-program courses to be considered for selection into the Diagnostic Medical Sonography Program.

Diagnostic Medical Sonography (DMS) major courses are offered once a year and specifically sequenced to develop progressively complex competencies by building upon previous courses and experiences. All major courses in an academic term must be completed satisfactorily in order to progress to subsequent courses in the degree plan.

## DIAGNOSTIC MEDICAL SONOGRAPHY COURSE DESCRIPTIONS

### *DMS 300 Introduction to Sonography and Patient Care (3)*

This beginning Diagnostic Medical Sonography course offers an introduction to the sonography profession and examines the historical and current application of ultrasound in medicine. The use of proper ergonomics for the sonography student and the role of a sonographer in providing basic patient care as a member of the healthcare team will be covered. Two hours lecture, three hours lab per week. Pre-requisite: Acceptance into the DMS program, Co-requisite: BIO 320.

### *DMS 310 Foundations of Diagnostic Medical Sonography (3)*

This introductory course offers an overview of ultrasound applications, sonographic techniques, and examination protocols. Normal anatomy and physiology of multiple organs and organ systems will be covered, as well as the normal sonographic appearance and sonographic examinations of these organs. Two hours lecture, three hours lab per week. Pre-requisite: AHS 202, DMS 300, BIO 301, BIO 320

### *DMS 320 Sonographic Research I (1)*

The application of research designs for the clinical professional with emphasis on conducting a literature review, determining research methodology and ethical considerations, and writing a research hypothesis related to the profession of sonography.

### *DMS 321 Sonographic Research II (1)*

Continuation of the application of research designs for the clinical professional with emphasis on performing a project including data collection, statistical analysis and presentation of original research related to the profession of sonography.

### *DMS 353 General Sonography I (3)*

Study and application of diagnostic medical sonography with a focus on abdominal and retroperitoneal structures. Topics to include anatomy, physiology, pathology, examination techniques, clinical symptoms, and sonographic appearance of adult and pediatric abdominal and retroperitoneal structures. Two hours lecture, three hours lab per week.

### *DMS 354 General Sonography II (3)*

Continuation of DMS 353 with a focus on superficial structures. Topics to include anatomy, physiology, pathology, examination techniques, clinical symptoms, and sonographic appearance of adult and pediatric superficial structures. Thyroid and parathyroid glands, male reproductive system, musculoskeletal system, and breast will be covered. Two hours lecture, three hours lab per week. Prerequisite: DMS 353 General Sonography I; Co-requisite: DMS 355 General Sonography III.

### *DMS 355 General Sonography III (3)*

Study and application of diagnostic medical Sonography with a focus on pediatric examinations. Topics to include anatomy, physiology, pathology, examination techniques, clinical symptoms, and sonographic appearance of various pediatric examinations. Gastrointestinal tract, neonatal head and spine, and pediatric hip will be covered. Three hours lecture per week. Prerequisite: DMS 353 General Sonography I; Co-requisite: DMS 354 General Sonography II

### *DMS 380 Vascular Sonography I (3)*

Study and application of diagnostic medical sonography with a focus on cardiovascular hemodynamics-and the peripheral venous systems. Topics to include anatomy, physiology, pathology, clinical symptoms, risk factors, examination techniques, sonographic appearance, the diagnosis and treatment of vascular disorders, correlative imaging, and quality assurance. Two hours lecture, three hours lab per week.



*DMS 381 Vascular Sonography II (3)*

Continuation of Vascular Sonography I with a focus on abdominal vasculature and the cerebrovascular system. Topics to include anatomy, physiology, pathology, clinical symptoms, risk factors, examination techniques, sonographic appearance, and the diagnosis and treatment of vascular disorders. Two hours lecture, three hours lab per week.

*DMS 382 Vascular Sonography III (3)*

Continuation of Vascular Sonography II with a focus on the peripheral arterial systems. Topics to include anatomy, physiology, pathology, clinical symptoms, risk factors, duplex and physiologic examination techniques, sonographic appearance, and diagnosis and treatment of vascular disorders. Two hours lecture, three hours lab per week.

*DMS 392 Introduction to Clinical Practice (3)*

Introduction to the clinical setting. Students will obtain clinical experience through active participation in various medical Sonography settings. Sixteen hours of clinic per week.

*DMS 393 Clinical Practicum I (4)*

Clinical experience obtained in assigned clinical settings. Competency evaluation of medical Sonography procedures will be completed. Twenty-four hours of clinic per week.

*DMS 400 Capstone Seminar (1)*

A senior capstone course that emphasizes research, career portfolio, and professional development.

*DMS 436 Physical Principles of Ultrasound and Instrumentation I (3)*

Designed to provide the theoretical and practical concepts of ultrasound and Doppler instrumentation. The course focuses on ultrasound terminology, sound wave concepts, knobology, transducers, ultrasound imaging systems, beam patterns, and tissue mechanics. Two hours lecture, three hours lab per week. Prerequisite: PHY 200

*DMS 437 Physical Principles of Ultrasound and Instrumentation II (3)*

Continuation of Physical Principles of Ultrasound and Instrumentation I. The course focuses on beam and image artifacts, arterial and venous hemodynamics, Doppler effects, system performance testing, bioeffects, and advanced concepts. Emphasizes the different uses of sonography in the clinical setting and operation of equipment. Two hours lecture, three hours lab per week. Prerequisite: DMS 436.

*DMS 462 Obstetrical and Gynecological Sonography I (3)*

The study and application of medical sonography related to the reproductive organs of the female and obstetrical sonography. Topics to include anatomy, pathology, image production and interpretation, examination techniques, and differential diagnosis. Lecture and lab.

*DMS 463 Obstetrical and Gynecological Sonography II (3)*

Continuation of DMS 462 with emphasis on second trimester, third trimester, maternal, and fetal complications involved in obstetrical sonography. The course will include specific indications for obstetrical ultrasound examinations, interpretation of lab values, pathophysiology, image analysis, and differential diagnosis. Lecture and lab.

*DMS 474 Cardiovascular Hemodynamics and Physiology (1)*

The study and application of diagnostic medical sonography related to the cardiovascular system hemodynamics and physiology. Topics will include cardiovascular anatomy, hemodynamics and physiology principles, practical application, and performing echocardiography measurements. One hour of lecture. Prerequisites: DMS 380; Co-requisite: DMS 381

*DMS 475 Cardiac Sonography I (3)*

The study and application of diagnostic medical sonography related to adult echocardiography. Topics will include cardiac embryology and congenital defects, native and prosthetic heart valve disease, endocarditis, pericardial diseases, cardiac function, coronary artery disease, and performing an echocardiogram. Two hours of lecture and three hours of lab per week. Prerequisites: DMS 380, DMS 381, DMS 474.

*DMS 476 Cardiac Sonography II (3)*

The study and application of diagnostic medical sonography related to adult echocardiography. Topics will include cardiomyopathies, systemic diseases, cardiopulmonary diseases, cardiac tumors, aortic diseases, and advanced procedures including contrast, stress, transesophageal, and 3D/4D echocardiography, and performing an echocardiogram. Two hours of lecture and three hours of lab per week. Prerequisites: DMS 380, DMS 381, DMS 474, DMS 475.

*DMS 495 Clinical Practicum II (4)*

Continuation of assigned clinical experience. Students will be able to independently perform various sonographic examinations through active participation in medical Sonography settings. Competency evaluation of medical Sonography procedures will be completed. Twenty-four hours of clinic per week.

*DMS 496 Clinical Practicum III (4)*

Continuation of assigned clinical experience. Students will be introduced to new sonographic examinations through active participation in various medical Sonography settings. Competency evaluation of medical Sonography procedures will be completed. Twenty-four hours of clinic per week.

*DMS 497 Clinical Practicum IV (4)*

Continuation of assigned clinical experience. Students will independently perform sonographic examinations through active participation in various medical Sonography settings. Competency evaluation of medical Sonography procedures will be completed. Twenty-four hours of clinic per week.

*DMS 498 Clinical Practicum V (5)*

Continuation of assigned clinical experience from Clinical Practicum IV. Thirty-two hours of clinical experience per week.

# MEDICAL IMAGING SCIENCES

## MISSION

The mission of the Medical Imaging Sciences baccalaureate completion program is to provide a pathway for career advancement opportunities in the field of radiological sciences.

## PROGRAM LEARNING OUTCOMES

Graduates/Students of the program will:

- Develop the knowledge necessary for advancement in a health care career.
- Demonstrate problem solving and critical thinking skills.
- Exhibit professionalism.

## DEGREE REQUIREMENTS FOR A BACHELOR OF HEALTH SCIENCES IN MEDICAL IMAGING SCIENCES (MIS) COMPLETION PROGRAM

Applicants who meet the admission criteria for Baptist University and who hold a valid RT(R) ARRT credential or a valid RT(N)ARRT or CNMT(NMTCB) credential will receive block credit of 56 credit hours. Additionally, the completion program requires a total of 50 General Education credit hours and a total of 15 credit hours in Medical Imaging Concentration or Leadership Concentration. A list of the block credit, the General Education, and the major courses are listed below:

<b>*Block Credit for (RT)ARRT</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 201	Anatomy & Physiology I	4
BIO 202	Anatomy & Physiology II	4
RAD 200	Introduction to Medical Radiography Clinical Practicum	2
RAD 210	Patient Care in Radiologic Sciences	2
RAD 211	Foundations of Medical Radiography	3
RAD 221	Radiographic Procedures I & Lab	2
RAD 320	Radiographic Procedures II & Lab	2
RAD 322	Radiographic Procedures III & Lab	2
RAD 331	Introduction to Radiation Physics	3
RAD 340	Image Production and Evaluation & Lab	2
RAD 341	Image Evaluation and Research Concepts & Lab	2
RAD 390	Clinical Practicum I	4
RAD 393	Clinical Practicum II	4
RAD 394	Clinical Practicum III	4
RAD 432	Radiation Biology and Protection	3
RAD 454	Comparative Pathology	3
RAD 472	Radiologic Technology Symposium	3
RAD 484	Digital Imaging	3
RAD 490	Clinical Practicum IV	4
<b>Total</b>		<b>56</b>

<b>*Block Credit for RT(N)ARRT or CNMT(NMTCB)</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 201	Anatomy and Physiology I	4
BIO 202	Anatomy and Physiology II	4
CHE 115	General Chemistry	4
NMT 311	Patient Care in Nuclear Medicine	2
NMT 314	Foundations of Nuclear Medicine	3
NMT 322	Clinical Procedures I	2
NMT 332	Nuclear Medicine Physics and Instrumentation	4
NMT 393	Clinical Practicum I	4
NMT 396	Introduction to Clinical Practice	4
NMT 423	Nuclear Cardiology	2
NMT 426	Clinical procedures III	3
NMT 434	PET Instrumentation and Protocols	2
NMT 437	Clinical Procedures II	3
NMT 454	Nuclear Pharmacy	2
NMT 494	Clinical Practicum II	4
NMT 496	Clinical Practicum IV	5
NMT 497	Clinical Practicum III	4
	<b>Total</b>	<b>56</b>

\*Must be RT(R)ARRT or RT(N)ARRT or CNMT(NMTCB) certified no later than start of concentration course.

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 301	Pathophysiology	3
BIO 320	Cross Sectional Anatomy	2
COM 211/COM 220	Speech Fundamentals/Intercultural Communication	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203, or 204	Literature Elective	3
HSC 105	Baptist University Online/Completion Experience	1
HSC 301	U.S. Health Care Systems	3
HSC 320	Research for Health Professionals	3
MAT 110/ MAT 240	College Algebra/Elements of Calculus	3
MAT 211	Statistics	3
PHI 201, 202, or 301	Philosophy Elective	3
PHY 200	Physics I	4
PHY 205	Physics II	4
PSY 201	General Psychology	3
REL 201, 220, 210, 301, or 302	Religion Elective	3
SOC 201	Medical Sociology	3
	<b>Total</b>	<b>50 Hours</b>

<b>Major Courses CT/MRI Concentration</b>		
<b>Medical Imaging Concentration</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
IDC 410	Applied Clinical Research	6
RAD 481	CT Instrumentation Physics	2
RAD 483	CT Procedures and Protocols	2
RAD 494	MR Instrumentation & Physics	2
RAD 495	MRI Procedures and Protocols	3
<b>Total</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>121</b>

<b>Major Courses Leadership Concentration</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
HCM 305	Principles of Health Care Management & Leadership	3
HCM 360	Quality Improvement in Health Care	3
HCM or IDC	Must take 9 hours of electives – see listing	9
<b>Total</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>121</b>

<b>Electives for Leadership Concentration</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
HCM 350	Organizational Behavior and Development	3
HCM 355	Information Systems Project Management	3
HCM 369	Health Informatics and Information Management	3
HCM 400	Health Care Information Systems and Health Policy	3
HCM 440	Law and Policy in Health Care	3
HCM 450	Strategic Management	3
IDC 410	Applied Clinical Research	6

# MEDICAL LABORATORY SCIENCE

## MISSION

The mission of the Baptist University Medical Laboratory Science (MLS) program is in alignment with the mission of the University.

The MLS program mission is to provide:

- Exemplary laboratory education.
- Instruction necessary to educate individuals to become skilled, caring healthcare practitioners who value lifelong learning.

In accordance with the mission of the University, educational experiences in the MLS program reflect the importance of a strong general educational foundation and include opportunities for critical thinking, use of technology, effective communication skills and the ability to work effectively with others.

## EDUCATION GOALS

1. Maintain a nationally accredited program in medical laboratory science.
2. Implement and promote the rules and regulations of the State of Tennessee Medical Laboratory Board for training programs for medical laboratory personnel.
3. Design and implement a curriculum whereby upon completion of the program the students demonstrate the entry level competencies to gain employment in the MLS or related laboratory field.
4. Provide a program to prepare well trained laboratory professionals who will be eligible to sit for the national certification examinations.
5. Display a commitment to the role and the development of the medical laboratory professional.
6. Develop in the students the necessary interpersonal and communication skills to professionally interact with patients, patients' families, physicians, and other members of the health care team.

## MLS PROGRAM LEARNING OUTCOMES

Upon completion of their course of study, graduates of the Medical Laboratory Science program will:

- Perform the full range of clinical laboratory tests in the diagnostic areas appropriate for entry level practice.
- Demonstrate appropriate communication skills, education techniques and a commitment to professionalism.
- Evaluate validity of laboratory test results and take appropriate corrective action.
- Demonstrate an understanding of safety regulations and standard precautions.

## CAREER ENTRY LEVEL COMPETENCIES

The graduates of the MLS program will be able to:

1. Perform the full range of clinical laboratory tests in hematology, immunohematology, clinical chemistry, microbiology, serology/immunology, coagulation/hemostasis, urinalysis, molecular, and other emerging diagnostics appropriate for entry level practice.
2. Determine specimen collection, processing and testing priorities, and organize workload according to laboratory priority classifications.
3. Integrate patient data for evaluation of validity of laboratory test results to include: confirm abnormal test results; correlate findings to disease processes; recognize discrepancies in patient results and quality control results and take appropriate corrective action; verify quality control procedures.
4. Evaluate test systems, laboratory procedures, and equipment using basic knowledge and skills in financial, operations, marketing, and human resource management of the clinical laboratory to enable cost effective, high quality, value-added laboratory services.

5. Evaluate published laboratory studies with sufficient knowledge of research design and practice.
6. Implement basic knowledge and skills in information management to enable effective, timely, accurate, and cost effective reporting of laboratory generated information.
7. Exhibit personal and professional conduct consistent with the Code of Ethics of the American Society of Clinical Laboratory Science.
8. Comply with safety regulations and standard precautions and evaluate quality assurance assessments.
9. Demonstrate appropriate interpersonal and communication skills to professionally interact with patients, patients' families, physicians, and other members of the health care team.
10. Demonstrate education techniques and terminology sufficient to train/educate users and providers of laboratory services.
11. Demonstrate a commitment to the principles and applications of professionalism to address ongoing professional career development and performance improvement.

## ACCREDITATION

The MLS program at Baptist University is accredited by National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). NAACLS contact information is 5600 North River Road, Suite 720, Rosemont, Illinois 60018, phone, 773-714-8880, or web address, [www.naacls.org](http://www.naacls.org).

The granting of the BHS degree in MLS is not contingent upon passing an external certification or licensure exam.

## TENNESSEE STATE LICENSURE REQUIREMENT

All medical laboratory personnel and special analysts in Tennessee must hold current Tennessee licensure, unless specifically exempt by statute or rules promulgated by the Tennessee Medical Laboratory Board.

The MLS program at Baptist University has been granted a certificate by the Tennessee Department of Health to conduct and maintain a school for training medical laboratory personnel in the specialty of medical laboratory technologist, general. Tennessee Medical Laboratory Board contact information is Metro Center Complex, 665 Mainstream Drive, Nashville, TN 37423; phone, 615-532-3202, or web address, [www.tennessee.gov](http://www.tennessee.gov).

## APPLYING TO THE PROGRAM

A student is considered to be in the pre-Medical Laboratory Science program once they are admitted to Baptist University and have declared a major. To progress from pre-Medical Laboratory Science to the clinical major, the student must have completed required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the fall trimester. Class size is limited and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If currently enrolled in another college, we strongly recommend that you apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University

**Step 2:** Submit all required admission documentation

**Step 3:** Accept offer to attend Baptist University

**Step 4:** Complete and/or transfer 24 credit hours of pre-program course work with a C or better, as specified by the Medical Laboratory Science program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form

Submission of the Allied Health Intent to Apply form guarantees consideration into the selection process for the program. The selection process to the program is outlined in the Baptist University Catalog.

To be competitive in the selection process, applicants should maintain a cumulative college GPA of 2.7 or above. Applicants should earn a B or better in all pre-program courses, to be competitive.

## PROGRAM SELECTION PROCESS

A selection committee for the MLS program will evaluate all completed applications beginning in October and until March each year. Applicants with a strong academic background and currently enrolled in Baptist University, or completing preprogram courses at institutions with collaborative or articulation agreements, will be given priority for interviews. Student selection into the program is competitive, and applicants meeting minimum selection criteria are not guaranteed an interview.

Selection to the MLS program is based on the following:

- Academic potential for success.
- Academic strength in previous college coursework, with specific attention given to performance in the preprogram courses.
- Past failures affecting cumulative college GPA and preprogram courses may impact selection into the program. Each file will be considered individually.
- A personal interview will be required of each applicant. Students will be evaluated on personal strengths and knowledge of Medical Laboratory Science program and profession.

Notification of Selection

- Applicants will be notified in writing of selection to the MLS program.

## TENNESSEE TRANSFER PATHWAY (TTP)

The TTPs constitute an agreement between community colleges and four-year colleges/ universities confirming that community college courses meet major preparation requirements. Baptist Health Sciences University offers the pathway in PRE-CLINICAL LABORATORY SCIENCES (Medical Technology, Medical Laboratory Sciences).



## DEGREE REQUIREMENTS FOR BACHELOR OF HEALTH SCIENCES IN MEDICAL LABORATORY SCIENCE

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202	Medical Terminology	2
BIO 205	Microbiology	4
BIO 110, 120, 201, or 202*	Anatomy and Physiology I and II or General Biology I and II	8
BIO 390	Immunology	3
BIO 401	Special Topics in Biology	1
CHE 115*	General Chemistry I	4
CHE 125*	General Chemistry II	4
CHE 210	Organic Chemistry I	4
CHE 220	Organic Chemistry II or higher level of chemistry	4
ENG 101*	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203, 204	Literature Elective	3
MAT 110/240*	College Algebra/Elements of Calculus	3
PHI 201, 202, 301	Philosophy Elective	3
PSY 201	General Psychology	3
REL 201, 220, 210, 301, or 302	Religion Elective	3
HSC 104	Baptist University Experience	1
COM 211/220	Speech Fundamentals/Intercultural Communication	3
HSC 301	U.S. Health Care Systems	3
SOC 201	Medical Sociology	3
	<b>Total</b>	<b>65 Hours</b>
<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
MLS 302	Urinalysis	3
MLS 307	Clinical Immunology	3
MLS 322	Clinical Laboratory Techniques	2
MLS 311	Coagulation	2
MLS 315	Hematology I	3
MLS 327	Clinical Microbiology	6
MLS 330	Hematology II	3
MLS 335	Immunoematology	6
MLS 340	Introduction to Clinical Practicum	3
MLS 400	Molecular Diagnostics	2
MLS 405	Clinical Chemistry	6
MLS 410	Clinical Practicum I	5
MLS 417	Senior Seminar	2
MLS 427	Laboratory Research/Management/Education	3
MLS 430	Clinical Practicum II	5
MLS 437	Clinical Parasitology/Mycology/Virology	3
	<b>Total</b>	<b>57 Hours</b>
	<b>Total Credit Hours for Degree Requirement</b>	<b>122 Hours</b>

NOTES: \* Indicatates courses that must be completed in order to apply for the major. All General Education courses except HSC 104, HSC 301, and SOC 201 are required to be completed prior to beginning MLS major courses.

## MEDICAL LABORATORY TECHNICIAN – BACHELOR OF HEALTH SCIENCES (MLT-BHS) MEDICAL LABORATORY SCIENCE COMPLETION PROGRAM

### MLT-BHS COMPLETION PROGRAM SELECTION PROCESS

A sequence of study for the associate degree medical laboratory technician is available to qualified students who wish to pursue a Bachelor of Health Sciences in Medical Laboratory Science. Documentation of an active, unencumbered MLT certification from a national certification agency recognized by the Tennessee Medical Laboratory Board must be submitted as part of the application process.

Completion degree applicants must meet the admission requirements for Baptist University and apply to the Medical Laboratory Science program upon completion of program admission requirements. The MLT to BHS completion program begins in the spring trimester.

Applicants who meet the admission criteria for Baptist University and hold a valid national MLT certification credential will receive block credit of 21 credit hours. Additionally, the completion program requires a total of 65 General Education credit hours and a total of 36 credit hours within the major. A list of the block credit, the General Education, and the major courses are listed below:

### DEGREE REQUIREMENTS FOR THE MLT-BHS DEGREE COMPLETION PROGRAM

<b>Block Credit</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
MLS 302	Urinalysis	3
MLS 322	CLN Lab Tech	2
MLS 311	Coagulation	2
MLS 307	Clinical Immunology	3
MLS 315	Hematology I	3
MLS 340	Intro to CLN Practicum	3
MLS 410	Clinical Practicum I	5
	<b>Total</b>	<b>21 hours</b>

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202	Medical Terminology	2
BIO 205	Microbiology	4
BIO 110, 120, 201, or 202	Anatomy and Physiology I and II or General Biology I and II	8
BIO 401	Special Topics in Biology	1
BIO 390	Immunology	3
CHE 115	General Chemistry I	4
CHE 125	General Chemistry II	4
CHE 210	Organic Chemistry I	4
CHE 220	Organic Chemistry II or higher	4
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203, or 204	Literature Elective	3
MAT 110/240	College Algebra/Elements of Calculus	3
PHI 201, 202, 301	Philosophy Elective	3
PSY 201	General Psychology	3
SOC 201	Medical Sociology	3
REL 201, 220, 210, 301, or 302	Religion Elective	3
COM 211	Speech Fundamentals	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Scare Systems	3
	<b>Total</b>	<b>65 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
MLS 327	Clinical Microbiology	6
MLS 330	Hematology II	3
MLS 335	Immunoematology	6
MLS 400	Molecular Diagnostics	2
MLS 405	Clinical Chemistry	6
MLS 417	Senior Seminar	2
MLS 427	Lab Research/Management/Education	3
MLS 430	Clinical Practicum II	5
MLS 437	Clinical Parasitology/Mycology/Virology	3
	<b>Total Major Requirements</b>	<b>36 Hours</b>
	<b>Degree Requirement</b>	<b>122 Hours</b>

## MEDICAL LABORATORY SCIENCE COURSE DESCRIPTIONS

### *MLS 302 Urinalysis (3)*

This course is a study of the physiologic mechanisms of the kidney along with the importance of the kidney in homeostasis and other body fluids commonly encountered in the clinical laboratory. Laboratory practice is a required component.

*Prerequisite: Admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

### *MLS 307 Clinical Immunology (3)*

This course is a study of the human immune system in health and disease and the theory, practical application and evaluation of immunologically related disorders. *Prerequisite: Admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

### *MLS 311 Coagulation (2)*

This course is a study of the theory and procedures of the coagulation and fibrinolytic systems. Laboratory practice is a required component. *Prerequisite: Admission to the MLS program; Co-requisite: Must enroll in all MLS courses offered in the trimester.*

### *MLS 315 Hematology I (3)*

This course is a study of the origin, maturation, and morphology of the normal formed elements of human blood and the theory and application of routine hematology tests, specimen collection and processing, and basic phlebotomy techniques. The anemias will also be studied in this course. Laboratory practice is a required component. *Prerequisite: Admission into the MLS program; Co-requisite: Must enroll in all MLS courses offered in the trimester.*

### *MLS 322 Clinical Laboratory Techniques (2)*

This course is an overview of issues and skills necessary in a modern laboratory environment to include relevant clinical laboratory techniques/procedures, quality assurance, laboratory safety, pre-analytical processes, and laboratory operations. *Prerequisite: Admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

### *MLS 327 Clinical Microbiology (6)*

This course is a study of the theory, practical application, technical performance, and evaluation of procedures in bacteriology. Topics include various procedures and techniques for isolation, identification, and susceptibility testing of normal and pathogenic organisms. Laboratory practice is a required component. *Prerequisites: General/College microbiology and must enroll in all MLS courses offered in the trimester, admission into the MLS program, successful completion of all MLS courses in the fall term. Co-requisite: Must enroll in all MLS courses offered in the semester.*

### *MLS 330 Hematology II (3)*

This course is a study of the formation and identification of abnormal formed elements in human blood with correlations to disease processes and the theory and application of special hematology tests. Laboratory practice is a required component. *Prerequisite: MLS 315; successful completion of all MLS courses in the fall term; admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

### *MLS 335 Immunohematology (6)*

This course is a study of the basic principles of blood banking in relation to blood grouping, typing, compatibility testing, and antibody identification. Also included are topics on donor processing, preparation of components and component therapy, transplant medicine, pre-transfusion problem solving, adverse transfusion reactions, hemolytic disease of the newborn, immune hemolytic disorders, parentage testing, regulatory and accreditation requirements. Laboratory practice is a required component. *Prerequisites: MLS 307; MLS 311; successful completion of all MLS courses in the fall term. Admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

### *MLS 340 Introduction to Clinical Practicum (3)*

This course is a selected clinical experience in the assigned clinical laboratories. The introduction to clinical practicum will provide students the initial opportunity to train in a clinical lab after successfully completing the didactic components. The student will work under the supervision of medical laboratory scientists in clinical immunology, coagulation, urinalysis, and phlebotomy. *Prerequisites: MLS 302, MLS 307, MLS 311. Admission into the MLS program.*

*MLS 400 Molecular Diagnostics (2)*

This course is a study of the principles of molecular methods and their application in the diagnosis of disease. Topics include the anatomy of a gene, the roles and components of DNA and RNA in a cell, nucleic acid structure, and molecular techniques in a clinical laboratory. *Prerequisites: General Chemistry 1 and General Chemistry 2, Organic Chemistry I and II or higher level, successful completion of all MLS courses in the fall and spring terms, and admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

*MLS 405 Clinical Chemistry (6)*

This course is a study of the theory, techniques and procedures to identify and quantitate chemical analytes in blood and body fluids and the correlation of these analytes to human disease. Laboratory practice is a required component. *Prerequisites: General Chemistry 1 and General Chemistry 2, Organic Chemistry I and II or higher level, successful completion of all MLS courses in the fall and spring terms, and admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

*MLS 410 Clinical Practicum I (5)*

This course is a selected clinical experience in the assigned clinical laboratories. The clinical practicum will provide students an opportunity to develop competencies in immunohematology and hematology under the supervision of medical laboratory scientists. *Prerequisites: MLS 302, MLS 307, MLS 311, MLS 315, MLS 322, MLS 327, MLS 330, MLS 340, MLS 335, and admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

*MLS 417 Senior Seminar (2)*

This course is designed for students to review educational materials in the areas of Medical Laboratory Science to prepare for a simulation of the national certification examination for Medical Laboratory Science. *Prerequisite: Admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

*MLS 427 Laboratory Research/ Management/Education (3)*

This course is a study of the principles of laboratory administration and operating a clinical laboratory. This course is also designed to prepare the students for career planning and employment. Educational methodologies used to train/educate users will be included. Topics include human resource management, HIPAA, ethics, professionalism, team building, operations management, governmental regulations, standards, decision making, users and research design/practice for the supervisor and laboratory manager. *Prerequisites: Admission into the MLS program and successful completion of all MLS courses in the fall, spring, summer trimesters. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

*MLS 430 Clinical Practicum II (5)*

This course is a selected clinical experience in the assigned clinical laboratories after *successful completion of all MLS courses in the fall, spring, and summer terms*. The clinical practicum will provide students an opportunity to develop competencies in the assigned areas and laboratory procedures under the supervision of medical laboratory scientists. *Prerequisites: MLS 302, MLS 307, MLS 311, MLS 315, MLS 327, MLS 330, MLS 335, MLS 340, MLS 400, MLS 405, MLS 410, and admission into the MLS program. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

*MLS 437 Clinical Parasitology/Mycology/Virology (3)*

The course is a study of the theory, practical application, technical performance, and evaluation of procedures in parasitology, mycology and virology. Topics include various procedures and techniques for isolation, identification and testing for ova, parasites, mycology, and mycobacterial cultures. *Prerequisites Admission into the MLS program and successful completion of all MLS courses fall and spring trimesters. Co-requisite: Must enroll in all MLS courses offered in the trimester.*

# MEDICAL RADIOGRAPHY

## MISSION

The mission of the Medical Radiography program is to provide quality education in a Christian atmosphere to prepare graduates to be competent, entry level radiographers.

## PROGRAM LEARNING OUTCOMES

Graduates/students of the Medical Radiography program will:

- Show clinical competency
- Demonstrate communication skills
- Develop critical thinking skills
- Model professionalism
- Meet outcomes consistent with JRCERT Standards

## ACCREDITATION

The Medical Radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The contact information for JRCERT is 20 North Wacker Drive, Suite 2850, Chicago, IL 60606- 3182, [www.jrcert.org](http://www.jrcert.org) or call (312) 704-5300.

## APPLYING TO THE PROGRAM

Students are considered to be in the pre-Medical Radiography program once they are admitted to Baptist University and have declared a major. To progress from pre-Medical Radiography to the clinical program, the student must have completed required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the summer trimester. Class size is limited, and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If currently enrolled in another college, we strongly recommend that you apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University

**Step 2:** Submit all required admission documentation

**Step 3:** Accept offer to attend Baptist University

**Step 4:** Complete and/or transfer 24 credit hours of pre-program course work with a C or better, as specified by the Medical Radiography program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form

Submission of the Allied Health Intent to Apply form guarantees consideration into the selection process for the program for all qualified applicants. A student must have a 2.7 GPA and have completed 24 college credit hours, including Anatomy and Physiology I and II and English Comp I and II, to be considered a qualified candidate. To be competitive in the selection process, applicants should maintain a cumulative college GPA of 3.0 or above..

## PROGRAM SELECTION PROCESS

A selection committee for the Medical Radiography program will evaluate all completed applications. Applicants with a strong academic background and currently enrolled in Baptist University, or completing preprogram courses at institutions with collaborative or articulation agreements, will be given priority for interviews. Student selection into the program is competitive, and applicants meeting minimum selection criteria are not guaranteed an interview. Some students may choose to indicate interest in more than one program to increase their chances of being accepted to a program during a year of highly competitive applicants.

Selection to the Medical Radiography program is based on the following:

- Academic potential for success from the academic record.
- Academic strength in previous college coursework, with specific attention given to performance in the preprogram courses.
- Past failures affecting cumulative college GPA and preprogram courses may impact selection into the program. Each file will be considered individually.
- Preference may be given to qualified applicants completing courses at Baptist University.
- A written essay and/or personal interview may be required of each applicant.

### Notification of Selection

- Applicants will be notified in writing of selection to the Medical Radiography program.

If selected, in order to remain in the cohort for which the students were selected, medical radiography pre-requisite courses must be completed with a grade of C or better. If students are not successful in completing the pre-requisite courses, as noted below, students will no longer be able to remain in the cohort for which they were selected. However, they will be able to re-apply to the medical radiography program in the future.

## DEGREE REQUIREMENTS FOR BACHELOR OF HEALTH SCIENCES IN MEDICAL RADIOGRAPHY

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202**	Medical Terminology for the Health Sciences	2
AHS 205	Collaboration for Quality in Interprofessional Care	1
BIO 201*	Anatomy and Physiology I	4
BIO 202*	Anatomy and Physiology II	4
BIO 301**	Pathophysiology	3
BIO 320**	Cross Sectional Anatomy	2
ENG 101*	English Composition I	3
ENG 102*	English Composition II	3
ENG 201, 202, 203, or 204	Literature Elective	3
HSC 104**	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
HSC 320	Research for Health Professionals	3
MAT 110/ MAT 240*	College Algebra/Elements of Calculus	3
MAT 211**	Statistics	3
PHI 201, 202, or 301	Philosophy Elective	3
PHY 200**	Physics I	4
PHY 205**	Physics II	4
PSY 201	General Psychology	3
REL 201, 220, 210, 301, or 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/COM 220**	Speech Fundamentals/Intercultural Communication	3
<b>Total</b>		<b>61 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
RAD 200	Introduction to Medical Radiography Clinical Practicum	2
RAD 210	Patient Care in Radiologic Sciences	2
RAD 211	Foundations of Medical Radiography	3
RAD 221	Radiographic Procedures I & Lab	2
RAD 320	Radiographic Procedures II & Lab	2
RAD 322	Radiographic Procedures III & Lab	2
RAD 331	Introduction to Radiation Physics	3
RAD 340	Image Production and Evaluation & Lab	2
RAD 341	Image Evaluation and Research Concepts & Lab	2
RAD 390	Clinical Practicum I	4
RAD 393	Clinical Practicum II	4
RAD 394	Clinical Practicum III	4
RAD 432	Radiation Biology and Protection	3
RAD 454	Comparative Pathology	3
RAD 472	Radiologic Technology Symposium	3
RAD 481	CT Instrumentation Physics	2
RAD 483	CT Procedures and Protocols	2
RAD 484	Digital Imaging	3
RAD 490	Clinical Practicum IV	4
RAD 493	CT/MRI Practicum	4
RAD 494	MRI Instrumentation & Physics	2
RAD 495	MRI Procedures and Protocols	3
<b>Total</b>		<b>61</b>
<b>Total Credit Hours</b>		<b>122</b>



*Degree Plan Subject to Change.*

\*These courses must be completed as a part of the 24 hours of required pre-program courses to be considered for selection into the Medical Radiography program.

\*\* Medical Radiography students are encourage to complete all prerequisite courses prior to beginning the major. However, these courses must be completed with a grade of "C" or better prior to beginning the first course in the Medical Radiography major.

Medical Radiography major courses are offered once a year and specifically sequenced to develop progressively complex competencies by building upon previous courses and experiences. All major courses in an academic term must be completed satisfactorily in order to progress to subsequent courses in the degree plan.

## MEDICAL RADIOGRAPHY COURSE DESCRIPTIONS

### *RAD 200 Introduction to Medical Radiography Clinical Practicum (2)*

Introduction to the basic aspects of radiologic technology including HIPAA, program handbook, radiation protection and safety, and radiology terminology, related to all expected clinical behaviors. Clinical education component with basic instructions for chest, abdomen, and hand procedures. This course must be taken in the second mini-term of the summer prior to starting the clinical rotations in the fall term. *Pre-requisite/Co-requisite: AHS 205*

### *RAD 210 Patient Care in Radiologic Sciences (2)*

This course is designed to provide the basic concepts of patient care, including consideration for the physical and psychological needs of the patient and family. Routine and emergency patient care procedures are described, as well as infection control procedures using standard precautions. The role of the radiographer in patient education is identified.

### *RAD 211 Foundations of Medical Radiography (3)*

Fundamental concepts of medical imaging. Focus on physical and technical skills needed to apply ionizing radiation with an emphasis on the introduction to radiographic positioning terminology, the proper manipulation of equipment, and basic radiographic procedures.

### *RAD 221 Radiographic Procedures I & Lab (2)*

Proper positioning of the client for demonstration of suspect pathology of the chest, abdomen, and the contents of each. Closely correlated with anatomy and physiology. Laboratory practice is a required component.

### *RAD 320 Radiographic Procedures II & Lab (2)*

This course introduces radiography of the vertebral column, upper and lower GI studies, and the urinary system. It also includes information for dealing with specific radiographic situations such as trauma and mobile radiography. Laboratory practice is a required component.

### *RAD 322 Radiographic Procedures III & Lab (2)*

This course introduces radiography of the skull, sinuses, and facial bones. It also includes information related to specialized procedures such as interventional radiography, bone densitometry, and contrast arthrography. Laboratory practice is a required component.

### *RAD 331 Introduction to Rad Physics (3)*

Review of necessary math and physics, the structure of matter including electron configurations and the nucleus, the x-ray circuit, interactions between ionizing radiation and matter, and the application of principles necessary for the production of x-rays and gamma rays.

### *RAD 340 Image Production and Evaluation & Lab (2)*

Analysis of the various technical factors and equipment that affect the radiographic image. Laboratory practice is a required component.

*RAD 341 Image Evaluation and Research Concepts & Lab (2)*

This course emphasizes the critical thinking processes needed to evaluate image production to include research presentations and writing. Laboratory practice is a required component.

*RAD 390 Clinical Practicum I (4)*

Skills development in basic radiographic procedures. Topics include effective communication, operation of equipment, client care, and technical skills development. Twenty-four hours of clinic per week.

*RAD 393 Clinical Practicum II (4)*

Applications of concepts in a clinical setting. Emphasis on progression from the role of observer, to assistant, then to relative independence under the supervision of qualified clinical instructors, radiographers, and faculty. Twenty-four hours of clinic per week.

*RAD 394 Clinical Practicum III (4)*

Clinical course emphasizing progression from the role of assistant to greater independence under the supervision of qualified instructors, radiographers, and faculty. Clinical experiences progress in level of difficulty. Twenty-four hours of clinic per week.

*RAD 432 Radiation Biology and Protection (3)*

An emphasis on radiation safety and radiobiology in the clinical area to include patient and occupational dose.

*RAD 454 Comparative Pathology (3)*

This course is designed to provide the student with the knowledge of human disease or trauma and how these processes are depicted by various imaging technologies.

*RAD 472 Radiologic Technology Symposium (3)*

The study and analysis of selected examinations/procedures and digital imaging topics form the basis of this course with an emphasis on preparation for the board examination.

*RAD 481 CT Instrumentation and Physics (2)*

Examination of computed tomography (CT) instrumentation and physics to include system operation and components, image processing and display, image quality, artifact recognition, and quality control.

*RAD 483 CT Procedures and Protocols (2)*

Examination of computed tomography (CT) procedures and protocols to include positioning, acquisition methods, parameter selection, and special procedures.

*RAD 484 Digital Imaging (3)*

This course examines the study and analysis of radiographic image production and image evaluation from a computed radiography (CR) and digital imaging perspective. Picture archiving communication systems (PACS), radiology information systems (RIS), and hospital information systems (HIS) will be discussed.

*RAD 490 Clinical Practicum IV (4)*

Moves the student towards full independence. Provides opportunities to refine skills through independent practice. Twenty-four hours of clinic per week.

*RAD 493 CT/MRI Practicum (4)*

Applications in Computed Tomography and Magnetic Resonance Imaging settings. Topics include operation of equipment, patient safety, technical skills, and client care.

*RAD 494 MRI Instrumentation and Physics (2)*

Examination of magnetic resonance imaging (MRI) instrumentation and physics to include system operation and components, image processing and display, image quality, artifact recognition, and quality control.

*RAD 495 MRI Procedures and Protocols (3)*

Examination of magnetic resonance imaging (MRI) procedures and protocols to include positioning, acquisition methods, parameter selection, and special procedures.

# NEURODIAGNOSTIC TECHNOLOGY

## MISSION

The mission of the Baptist University Neurodiagnostic Technology (NDT) program is to prepare competent entry-level neurodiagnostic technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

## ASSOCIATE PROGRAM LEARNING OUTCOMES

Upon completion of the neurodiagnostic technology associate of science degree program, the graduate will:

- Function as a knowledgeable entry-level neurodiagnostic technologist.
- Demonstrate proficiency in performing basic neurodiagnostic testing.
- Exhibit behavior/skills that reflect professionalism, appropriate clinical reasoning, effective communication and time management skills.
- Recognize the importance of maintaining current practices based on relevant neurodiagnostic research, standards and guidelines.

## BACHELOR PROGRAM LEARNING OUTCOMES

Upon completion of the neurodiagnostics bachelor of health sciences degree program, the graduate will:

- Function as a knowledgeable advanced-level neurodiagnostic professional.
- Integrate advanced neurodiagnostic practice within healthcare systems.
- Exhibit behavior skills that reflect professionalism, appropriate clinical reasoning, effective communication and time management skills.
- Recognize the importance of maintaining current practices based on relevant neurodiagnostic research, standards and guidelines.

## ACCREDITATION OF THE PROGRAM

The program is accredited by the Commission on Accreditation of Allied Health Education Programs ([CAAHEP](http://www.caahep.org)) on recommendation by the Committee on Accreditation for Education in Neurodiagnostic Technology (CoA-NDT).

- CAAHEP (9355-113<sup>th</sup> St. N., #7709 Seminole, FL 33775, 727-210-2350, [www.caahep.org](http://www.caahep.org) )
- CoA-NDT (1449 Hill Street Whitinsville, MA 01588, 978-338-6300, [www.coa-ndt.org](http://www.coa-ndt.org))

## APPLYING TO THE PROGRAM (BOTH FOR THE ASSOCIATE OF SCIENCE DEGREE AND THE BACHELOR OF HEALTH SCIENCES DEGREE)

A student is considered to be in the pre-Neurodiagnostic Technology program once they are admitted to Baptist University and have declared a major. To progress from pre- Neurodiagnostic Technology to the clinical major, the student must have completed required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the fall trimester. Class size is limited and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If students are currently enrolled in another college, it is strongly recommended that they apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University

**Step 2:** Submit all required admission documentation

**Step 3:** Accept offer to attend Baptist University

**Step 4:** Complete and/or transfer 12 credit hours of pre-program course work with a C or better, as specified by the Neurodiagnostic Technology program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form

Submission of the Intent to Apply form guarantees consideration into the selection process for the program. The selection process to the program is outlined in the Baptist University Catalog. To be considered in the selection process, applicants should maintain a cumulative college GPA of 2.7 or above. Applicants should earn a B or better in all pre-program courses, to be competitive.

## PROGRAM SELECTION PROCESS

A selection committee for the Neurodiagnostic program will evaluate all completed applications. Applicants with a strong academic background and currently enrolled in Baptist University, or applicants completing preprogram courses at institutions with collaborative or articulation agreements will receive priority consideration for interviews.

Student selection into the program is competitive; applicants meeting minimum selection criteria are not guaranteed an interview.

Selection to the Neurodiagnostic Technology program is based on the following:

- Academic potential for success from the academic record.
- Academic strength in previous college coursework, with specific attention given to performance in the preprogram courses.
- Past failures affecting cumulative college GPA and preprogram courses may impact selection into the program. Each file will be considered individually.
- Preference may be given to qualified applicants completing courses at Baptist University.
- A personal interview will be required of each applicant. Students will be evaluated on personal strengths and knowledge of the Neurodiagnostic Technology program and profession.

Applicants will be notified in writing of selection to the program.

Students enrolling to the Bachelor of Health Sciences Degree in Neurodiagnostic Technology and who have one or more of the following credentials listed here below, will receive block credit for specific course(s).

ABRET: R. EEG T.

ABRET: R. EP T.

AAET: R. NCST or AANEM: CNCT

ABRET: CLTM

ABRET: CMEG

ABRET: CAP

Students who have a current **R. EP T.** will receive block credit for:  
NDT 205 Basic EP and Neuromonitoring w/Lab

Students who have a current **R. NCST or CNCT** will receive block credit for:  
NDT 206 Nerve Conduction Studies

Students who have a current **CLTM** will receive block credit for:  
NDT 302 Long-term Monitoring and Continuous EEG  
NDT 403 LTM in Epilepsy Surgery

Students who have a current **CMEG** will receive block credit for:  
NDT 401 Introduction to Magnetoencephalography

Students who have a current **CAP** will receive block credit for:  
NDT 402 Autonomic Disorders and Testing

## DEGREE REQUIREMENTS FOR ASSOCIATE OF SCIENCE IN NEURODIAGNOSTIC TECHNOLOGY

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202*	Medical Terminology for the Health Sciences	2
BIO 201*	Anatomy and Physiology I	4
COM 211/220	Speech Fundamentals/Intercultural Communication	3
ENG 101*	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203 or 204	Literature Elective	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110/ 240*	College Algebra/Elements of Calculus	3
PHI	Philosophy Elective	3
PSY 201	General Psychology	3
REL 201, 210, 220, 301, or 302	Religion Elective	3
SOC 201	Medical Sociology	3
	<b>Total</b>	<b>37 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
NDT 101	Introduction to Neurodiagnostics	3
NDT 201	Patient Preparation and Instrumentation	3
NDT 202	Application of Neuroscience Concepts	3
NDT 203	Normal Developmental, Pediatric and Adult Electroencephalography	3
NDT 204	Seizures and Neurological Disorders	3
NDT 205	Basic Evoked Potentials and Intraoperative Neuromonitoring	3
NDT 206	Nerve Conduction Studies	3
NDT 290	Clinical Practicum I	1
NDT 291	Clinical Practicum II	6
	<b>Total</b>	<b>28 Hours</b>
	<b>Total Credit Hours for Degree Requirement</b>	<b>65 Hours</b>

*Degree Plan Subject to Change.*

\*These courses must be completed as a part of the 12 hours of required pre-program courses to be considered for selection into the Neurodiagnostic Technology Program.

Neurodiagnostic Technology (NDT) associate degree program courses are offered once a year and specifically sequenced to develop progressively complex competencies by building upon previous courses and experiences. All NDT courses in an academic term must be completed satisfactorily in order to progress to subsequent courses in the degree plan.

## DEGREE REQUIREMENTS FOR BACHELOR OF HEALTH SCIENCES IN NEURODIAGNOSTIC TECHNOLOGY

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202*	Medical Terminology for the Health Sciences	2
BIO 201*	Anatomy and Physiology I	4
COM 211/220	Speech Fundamentals/Intercultural Communication	3
ENG 101*	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203 or 204	Literature Elective	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110/ 240*	College Algebra/Elements of Calculus	3
PHI	Philosophy Elective	3
PSY 201	General Psychology	3
REL 201, 210, 220, 301, or 302	Religion Elective	3
SOC 201	Medical Sociology	3
BIO 202	Anatomy and Physiology II	4
PHY 200	Physics I	4
BIO 301	Pathophysiology	3
HCM 440	Law and Policy in Health Care	3
PHY 205	Physics II	4
BIO 320	Cross Sectional Anatomy	2
MAT 211/HSC 320	Statistics or Research elective	3
<b>Total</b>		<b>60 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
NDT 101	Introduction to Neurodiagnostics	3
NDT 201	Patient Preparation and Instrumentation	3
NDT 202	Application of Neuroscience Concepts	3
NDT 203	Normal Developmental, Pediatric and Adult Electroencephalography	3
NDT 204	Seizures and Neurological Disorders	3
NDT 205	Basic Evoked Potentials and Intraoperative Neuromonitoring	3
NDT 206	Nerve Conduction Studies	3
NDT 290	Clinical Practicum I	1
NDT 291	Clinical Practicum II	6
NDT 302	Long-term & Continuous EEG Monitoring	3
NDT 308	Neuroanatomy for Neurodiagnostics I	3
NDT 311	Neuroanatomy for Neurodiagnostics II	3
NDT 401	Introduction to Magnetoencephalography	3
NDT 402	Autonomic Disorders and Testing	3
NDT 403	LTM in Epilepsy Surgery	3
NDT 404	Case Studies in Neurodiagnostics	3
NDT 405	Neuroimaging for Neurodiagnostics	3
NDT 406	Neuropsychology and Assessments	3
NDT 410	Capstone Scholarly Project	6
<b>Total</b>		<b>61 Hours</b>
<b>Total Credit Hours for Degree Requirement</b>		<b>121 Hours</b>

*Degree Plan Subject to Change.*

\*These courses must be completed as a part of the 12 hours of required pre-program courses to be considered for selection into the Neurodiagnostic Technology Program.

Neurodiagnostic Technology (NDT) bachelor degree program will accept students every term.

## NEURODIAGNOSTIC TECHNOLOGY BACHELOR OF HEALTH SCIENCES DEGREE COURSE DESCRIPTIONS

### *NDT 101 Introduction to Neurodiagnostics (3)*

This course provides an overview of the different neurodiagnostic testing and monitoring modalities. The course introduces and identifies the responsibilities, knowledge, skills, and behaviors of technologists performing these modalities.

### *NDT 201 Patient Preparation and Instrumentation (3)*

This course provides instruction in electrode placement and basic neurodiagnostic instrumentation for EEG, EP and NCS. The emphasis is on the electrical signals and responses generated by the nervous system as recorded using neurodiagnostic technology. Two hours lecture, three hours lab per week (intensive).

### *NDT 202 Application of Neuroscience Concepts (3)*

This course provides instruction in neurophysiological science concepts as these apply to clinical neurodiagnostic testing. The course includes neurochemical basis of nerve function, overview of neuroanatomical structures and systems such as the visual, auditory, vestibular, olfactory, motor, limbic, and somatosensory.

### *NDT 203 Normal Developmental, Pediatric and Adult Electroencephalography (3)*

This course begins with the distinctive changes in the neonatal brain as it develops both before and after birth and landmarks in development as the neonate matures. Pediatric stages of development and normal adult patterns are introduced. Normal sleep, waking, and normal variant patterns are also described

### *NDT 204 Seizures and Neurological Disorders (3)*

This course is a study of electroencephalographic abnormalities associated with epilepsy, cerebrovascular disorders, neoplasms, infections, neurological disorders, disease processes and syndromes.

### *NDT 205 Basic Evoked Potentials and Intraoperative Neuromonitoring (3)*

This course provides instruction in evoked potential testing including visual, brainstem auditory and somatosensory evoked potentials. Clinical utility is discussed and intraoperative uses of evoked potentials are introduced. Two hours lecture, three hours lab per week (intensive).

### *NDT 206 Nerve Conduction Studies (3)*

This course describes basic nerve conduction procedures including standard peripheral nerve testing, late responses, blink reflex, repetitive stimulation, anomalous innervations, artifacts and normal control distributions. The clinical utility of NCS in neuropathy, motor neuron disease, radiculopathy, plexopathies and disorders of the neuromuscular junction are described. Two hours lecture, three hours lab per week (intensive).

### *NDT 290 Clinical Practicum I (1)*

Introduction to the clinical setting in which students will participate in experiential learning activities in neurodiagnostic technology. Cognitive, psychomotor, and behavioral skills will be evaluated. One day of clinical experience per week.



*NDT 291 Clinical Practicum II (6)*

Continuation of assigned experiential learning activities in neurodiagnostic technology clinical setting. Cognitive, psychomotor, and behavioral skills will be evaluated through competencies in neurodiagnostic procedures. Thirty-six hours of clinical experience per week. Upon completion of clinical practicums and required number of clinical studies, the student may take the ABRET EEG board exam.

*NDT 302 Long-term & Continuous EEG Monitoring (3)*

This course provides instruction in long-term monitoring as it is performed in the Intensive Care Unit, Neurotelemetry Unit or the Epilepsy Monitoring Unit.

*NDT 308 Neuroanatomy for Neurodiagnostics I (3)*

This course uses clinical case-based learning to extend knowledge of the human nervous system and relate the impact of neurological disorders, diseases and injuries. Usefulness of neurological exam, investigative testing, and interventional treatments are illustrated in clinical case presentations.

*NDT 311 Neuroanatomy for Neurodiagnostics II (3)*

This course continues clinical case-based learning involving deeper brain structures extending knowledge of the human nervous system and relating the impact of neurological disorders, diseases and injuries. \*Prerequisite NDT 308.

*NDT 401 Introduction to Magnetoencephalography (3)*

This course provides a didactic overview of magnetoencephalography. The course will include, but is not limited to, basic concepts, the origin of signals, recording spontaneous activity, evoked magnetic fields and uses in investigations of epilepsy.

*NDT 402 Autonomic Disorders and Testing (3)*

This course provides didactic instruction in autonomic testing methods and an overview of autonomic disorders, their signs and symptoms.

*NDT 403 LTM in Epilepsy Surgery (3)*

This course provides instruction in the neurodiagnostic technologist's role in preparing patients for epilepsy surgery including monitoring during the placement of grids, strips and depth electrodes by a neurosurgeon. The course includes phase II long-term monitoring and cortical stimulation during surgery. Prerequisite NDT 302.

*NDT 404 Case Studies in Neurodiagnostics (3)*

This course provides experiential learning through published case studies in which neurodiagnostics played an important role. Students will read case studies, participate in online discussion of the cases and compile a portfolio of case studies including, but not limited to, neurological disorders and epilepsy.

*NDT 405 Neuroimaging for NDT (3)*

This course is an overview of neuroimaging techniques including, but not limited to, computed axial tomography, magnetic resonance imaging, magnetoencephalography, functional magnetic resonance imaging, positron emission tomography, single-photon emission computed tomography and the integration of these imaging methods with neurodiagnostic testing. The course will also include case studies where neuroimaging is an integral part of the diagnosis.

*NDT 406 Neuropsychology and Assessments (3)*

This course introduces the use of neuropsychology in the assessment of patients and neuropsychological comorbidities of neurological disorders. This course will provide instruction for technologists to work in interprofessional collaboration with a neuropsychologist in a clinical setting, epilepsy monitoring or surgical cases.

*NDT 410 Capstone Scholarly Project (6)*

This course enhances the student's clinical or administrative, analytical and problem-solving skills through the completion of a project under the supervision and guidance of a faculty member. Prerequisites either MAT/HSC/AHS Statistics or Research elective.

# NUCLEAR MEDICINE TECHNOLOGY

## MISSION

The Nuclear Medicine Technology (NMT) degree program of Baptist University will prepare competent entry-level nuclear medicine technologists to provide responsive, quality care and service.

## PROGRAM LEARNING OUTCOMES

Upon completion of the NMT program, the graduate will be able to:

- Function as a knowledgeable entry-level nuclear medicine technologist.
- Exercise independent judgment and critical thinking skills in the technical performance of nuclear medicine procedures.
- Model attitudes reflecting professionalism, including effective communication skills, ethical care, and compassionate care.

## ACCREDITATION OF THE PROGRAM

The NMT program is accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology (JRCNMT). The contact information for the JRCNMT is 820 W. Danforth Rd. #B1, Edmond, OK, 73003, (405) 285-0546, [www.jrcnmt.org](http://www.jrcnmt.org). The JRCNMT holds recognition from the Council for Higher Education Accreditation (CHEA).

## APPLYING TO THE PROGRAM

A student is considered to be in the pre-Nuclear Medicine Technology program once they are admitted to Baptist University and have declared a major. To progress from pre- Nuclear Medicine Technology to the clinical major, the student must have completed required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the fall trimester. Class size is limited and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If currently enrolled in another college, we strongly recommend that you apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University

**Step 2:** Submit all required admission documentation

**Step 3:** Accept offer to attend Baptist University

**Step 4:** Complete and/or transfer 24 credit hours of pre-program course work with a C or better, as specified by the Nuclear Medicine Technology program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form

Submission of the Allied Health Intent to Apply form guarantees consideration into the selection process for the program.

The selection process to the program is outlined in the Baptist University Catalog.

To be competitive in the selection process, applicants should maintain a cumulative college GPA of 2.7 or above.

Applicants should earn a B or better in all pre-program courses, to be competitive.

## PROGRAM SELECTION PROCESS

A selection committee for the NMT program will evaluate all completed applications. Applicants meeting the following criteria will receive priority consideration for interviews: current enrollees at Baptist University, applicants with a strong academic background, and applicants completing preprogram courses at institutions with collaborative or articulation agreements. Student selection into the program is competitive; applicants meeting minimum selection criteria are not guaranteed an interview. Some students may choose to indicate interest in more than one program to increase their chances of being accepted during a year of highly competitive applicants.

Selection to the NMT program is based on the following:

- Academic potential for success from the academic record
- Academic strength in previous college course-work, with specific attention given to performance in the preprogram courses
- Past failures affecting cumulative college GPA and preprogram courses may impact selection into the program. Each file will be considered individually.
- Preference may be given to qualified applicants completing courses at Baptist University.
- A personal interview will be required of each applicant. Applicants may be required to write an essay that will be completed on the campus of Baptist University prior to the personal interview. Students will be evaluated on personal strengths and knowledge of Nuclear Medicine Technology.

Notification of Selection

- Applicants will be notified in writing of selection to the NMT program.

## DEGREE REQUIREMENTS FOR BACHELOR OF HEALTH SCIENCES IN NUCLEAR MEDICINE TECHNOLOGY

Nuclear Medicine Technology (NMT) major courses are offered once a year and specifically sequenced to develop progressively complex competencies by building upon previous courses and experiences. All major courses in an academic term must be completed satisfactorily in order to progress to subsequent courses in the degree plan. Please refer to the NMT sample degree plan for course sequencing.

General Education		
Course #	Course Title	Credit Hours
AHS 202	Medical Terminology for the Health Sciences	2
BIO 201*	Anatomy and Physiology I	4
BIO 202*	Anatomy and Physiology II	4
BIO 301/310	Pathophysiology/Applied Pathophysiology	3
BIO 320	Cross Sectional Anatomy	2
BIO/CHE/PHY	Natural Sciences w/ lab	4
CHE 115	General Chemistry I	4
ENG 101*	English Composition I	3
ENG 102*	English Composition II	3
ENG 104	Medical Writing	1
ENG 201, 202, 203, or 204	Literature Elective	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
HSC 320	Research for Health Professionals	3
MAT 110/MAT 240 *	College Algebra/Elements of Calculus	3
PHI 201, 202, or 301	Philosophy Elective	3
PHY 200	Physics I	4
PSY 201	General Psychology	3
REL 201, 210, 220, 301, 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/220	Speech Fundamentals/Intercultural Communication	3
<b>Total</b>		<b>62 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
NMT 311	Patient Care in Nuclear Medicine	2
NMT 314	Foundations of Nuclear Medicine Technology	3
NMT 322	Clinical Procedures I	2
NMT 332	Nuclear Physics and Instrumentation	4
NMT 352	Applied Pharmacology	1
NMT 393	Clinical Practicum I	4
NMT 396	Introduction to Clinical Practice	4
NMT 423	Nuclear Cardiology	2
NMT 426	Clinical Procedures III	3
NMT 434	PET Instrumentation and Protocols	2
NMT 436	Advanced Cardiology	1
NMT 437	Clinical Procedures II	3
NMT 454	Nuclear Pharmacy	2
NMT 463	Research Methods I	1
NMT 464	Research Methods II	1
NMT 473	Nuclear Medicine Symposium	2
NMT 494	Clinical Practicum II	4
NMT 496	Clinical Practicum IV	5
NMT 497	Clinical Practicum III	4
NMT 331	Introduction to Radiation Physics	3
NMT 438	Radiation Biology and Protection	3
NMT 482	CT Instrumentation and Physics	2
NMT 483	CT Procedures and Protocols	2
NMT 484	MRI Instrumentation and Physics	2
	<b>Total</b>	<b>62 Hours</b>
	<b>Total Hours for Degree Requirement</b>	<b>124 Hours</b>

*Degree Plan Subject to Change.*

**\*These general education courses must be completed as a part of the 24 hours of required preprogram courses to be considered for selection into the Nuclear Medicine Technology Program.**

## REGISTERED TECHNOLOGIST RADIOGRAPHY RT(R)-BACHELOR OF HEALTH SCIENCES IN NUCLEAR MEDICINE TECHNOLOGY ADMISSIONS PATHWAY

Credentialed medical radiographers may apply for the Bachelor of Health Sciences in Nuclear Medicine Technology. Applicants who meet the admission criteria for Baptist University and hold a valid R.T.(R) ARRT credential will receive block credit of 25 credit hours. Additionally, the completion program required a total of 45 General Education credit hours and a total of 53 credit hours within the major. A list of the block credit, the General Education, and the major courses are listed below:

<b>Block Credit*</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202	Medical Terminology for the Health Sciences	2
BIO 301	Pathophysiology	3
BIO 320	Cross Sectional Anatomy	2
COM 211	Speech Fundamentals	3
HSC 301	U.S. Health Care Systems	3
NMT 311	Patient Care in Nuclear Medicine	2
PHY 200	Physics I	4
NMT 331	Introduction to Radiation Physics	3
NMT 438	Radiation Biology and Protection	3
<b>Total</b>		<b>25 Hours</b>

\*Total block credit hours for R.T. (R)(ARRT) will be awarded upon successful completion of NMT 314 Foundations of Nuclear Medicine Technology. The R.T. (R)(ARRT) certification must be verified no later than the start of the major courses

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 201**	Anatomy and Physiology I	4
BIO 202**	Anatomy and Physiology II	4
BIO/CHE/PHY**	Natural Sciences w/ lab	4
CHE 115**	General Chemistry I	4
ENG 101**	English Composition I	3
ENG 102**	English Composition II	3
ENG 104	Medical Writing	1
ENG 201, 202, 203, or 204	Literature Elective	3
HSC 105	Baptist University Online /Completion Experience	1
HSC 320	Research for the Health Professionals	3
MAT 110/MAT 240 **	College Algebra/Elements of Calculus	3
PHI 201, 202, or 301	Philosophy Elective	3
PSY 201	General Psychology	3
REL 201, 210, 220, 301, 302	Religion Elective	3
SOC 201	Medical Sociology	3
<b>Total</b>		<b>45 Hours</b>

\*\*BIO 201, BIO 202, CHE 115, ENG 201, ENG 102, MAT 110/240, and Natural Science must be completed with "C" or better prior to start of first Spring trimester in the nuclear medicine technology program.

Major Courses		
Course #	Course Title	Credit Hours
NMT 314	Foundations of Nuclear Medicine Technology	3
NMT 322	Clinical Procedures I	2
NMT 332	Nuclear Physics and Instrumentation	4
NMT 352	Applied Pharmacology	1
NMT 393	Clinical Practicum I	4
NMT 396	Introduction to Clinical Practice	4
NMT 423	Nuclear Cardiology	2
NMT 426	Clinical Procedures III	3
NMT 434	PET Instrumentation and Protocols	2
NMT 436	Advanced Cardiology	1
NMT 437	Clinical Procedures II	3
NMT 463	Research Methods I	1
NMT 464	Research Methods II	1
NMT 454	Nuclear Pharmacy	2
NMT 473	Nuclear Medicine Symposium	2
NMT 494	Clinical Practicum II	4
NMT 497	Clinical Practicum III	4
NMT 496	Clinical Practicum IV	5
NMT 482	CT Instrumentation and Physics	2
NMT 483	CT Procedures and Protocols	2
NMT 484	MRI Instrumentation and Physics	2
	<b>Total</b>	<b>54 Hours</b>
	<b>Total Hours for Degree Requirement</b>	<b>124 Hours</b>

## TENNESSEE TRANSFER PATHWAY (TTP)

The TTP constitutes an agreement between community colleges and four-year colleges/universities confirming that community college courses meet major preparation requirements. Baptist University accepts 51 block credit hours for the A.A.S. Imaging Sciences pathway into the Nuclear Medicine Technology curriculum.

## NUCLEAR MEDICINE TECHNOLOGY COURSE DESCRIPTIONS

### *NMT 311 Patient Care in Nuclear Medicine (2)*

Focus on the development of clinical skills necessary to safely and effectively care for Nuclear Medicine patients. Emphasis placed on developing compassionate and ethical care including effective communication, infection control, dose administration, patient support, and patient transport. *Pre-requisite: Acceptance into the NMT program.*

### *NMT 314 Foundations of Nuclear Medicine Technology (3)*

Introduction to the basic principles and practice of nuclear medicine technology. Course will also include an introduction to professional organizations, professional issues, and medical ethics/law. *Successful completion of program pre-professional courses or permission of the program chair.*

### *NMT 322 Clinical Procedures I (2)*

Study of the clinical theory as it applies to routine nuclear medicine procedures. Includes development of skills in image analysis, data collection, and case presentations.

### *NMT 331 Introduction to Radiation Physics (3)*

Review of necessary math and physics, the structure of matter including electron configurations and the nucleus, the x-ray circuit, interactions between ionizing radiation and matter, and the application of principles necessary for the production of x-rays and gamma rays. Cross-listed with RAD 331.

*NMT 332 Nuclear Physics and Instrumentation (4)*

Study of nuclear physics including radionuclide production. Study of the components and performance characteristics of nuclear detectors including statistics of counting, energy spectrum analysis, and theory of processing images, and performance criteria including quality control procedures.

*NMT 352 Applied Pharmacology (1)*

Study of adjunct medications used in nuclear medicine procedures during an in-vitro, diagnostic imaging, or therapeutic procedure to include preparation, dosage, dose administration, mechanism of action, side effects and patient monitoring. Also included are the preparation and administration of oral and IV contrasts used in the performance of imaging studies.

*NMT 393 Clinical Practicum I (4)*

Clinical experience obtained through assigned clinical rotations in routine and specialty areas. Twenty-four hours of clinical experience per week.

*NMT 396 Introduction to Clinical Practice (4)*

An introduction to the basic principles of clinical education. Course will include medical informatics and radiation safety regulations aspects including radiation monitoring, detection devices, and adherence to ALARA. Also included is the development of skills in venipuncture and administration of radioactive and non-radioactive agents. Course includes one credit hour theory, one credit hour lab, and two credit hours supervised clinical experience.

*NMT 423 Nuclear Cardiology (2)*

Study of the cardiac system with emphasis on nuclear imaging, quantification, and functional analysis. This course provides further development of clinical skills with emphasis on tomographic imaging.

*NMT 426 Clinical Procedures III (3)*

Continuation of the study of clinical theory as it applies to nuclear medicine procedures including development of skills in image analysis, data collection, and case presentations.

*NMT 434 PET Instrumentation/Protocols (2)*

Study of radionuclides and instrumentation used in positron emission tomography (PET) imaging. The basic protocols for PET and PET/CT imaging will be discussed including biomarkers used in molecular imaging.

*NMT 437 Clinical Procedures II (3)*

Continuation of the study of clinical theory as it applies to nuclear medicine procedures including development of skills in image analysis, data collection, and case presentations.

*NMT 436 Advanced Cardiology (1)*

The course is an introduction to Advanced Cardiovascular Life Support (ACLS) and provides the basis for responding to a critical care event. Topics covered include patient assessment, airway management, ECG rhythm interpretation, treatment protocols, pharmacological agents, and critical care algorithms. ACLS certification is required at the conclusion of the course.

*NMT 438 Radiation Biology and Protection (3)*

An emphasis on radiation safety and radiobiology in the clinical area to include patient and occupational dose. Cross-listed with RAD 432.

*NMT 454 Nuclear Pharmacy (2)*

Study of the chemical and biological aspects of radiopharmaceuticals with emphasis on production of radionuclides, preparation and quality control of radiopharmaceuticals, and dose calculations.

*NMT 463 Research Methods I (1)*

Application of research methods with emphasis on performing a project including data collection, statistical analysis, and developing an abstract represented by a scientific poster.

*NMT 464 Research Methods II (1)*

A continuation of the research process introduced in NMT 463 with emphasis on completion of a final research project.

*NMT 473 Nuclear Medicine Symposium (2)*

This course is designed to develop leadership skills essential for the success of the health care professional. Analysis of the Components of Preparedness published by the Nuclear Medicine Technology Certification Board (NMTCB) and Content Specifications for the NMT exam published by the American Registry of Radiologic Technology (ARRT) will be included.

*NMT 482 CT Instrumentation and Physics (2)*

Examination of computed tomography (CT) instrumentation and physics to include system operation and components, image processing and display, image quality, artifact recognition, and quality control. Cross-listed with RAD 481.

*NMT 483 CT Procedures and Protocols (2)*

Examination of computed tomography (CT) procedures and protocols to include positioning, acquisition methods, parameter selection, and special procedures. Cross-listed with RAD 483.

*NMT 484 MRI Instrumentation and Physics (2)*

Examination of magnetic resonance imaging (MRI) instrumentation and physics to include system operation and components, image processing, artifact recognition, and safety. Cross-listed with RAD 494.

*NMT 494 Clinical Practicum II (4)*

Continuation of assigned rotations from Clinical Practicum I. Twenty-four hours of clinical experience per week.

*NMT 497 Clinical Practicum III (4)*

Continuation of assigned rotations from Clinical Practicum II. Twenty-four hours of clinical experience per week.

*NMT 496 Clinical Practicum IV (5)*

Continuation of assigned clinical rotations from Clinical Practicum III. Thirty-two hours of clinical experience per week.



# RADIATION THERAPY

## MISSION

The Radiation Therapy program will graduate competent, entry-level radiation therapists to become members of a multidisciplinary healthcare team, providing empathic care and therapeutic treatment to those who have been diagnosed with cancer.

## PROGRAM LEARNING OUTCOMES

Graduates/students of the radiation therapy program will:

- Be clinically competent.
- Communicate effectively.
- Be able to problem solve and critically think.
- Demonstrate professionalism.
- Meet outcomes consistent with JRCERT Standards.

## ACCREDITATION

The Radiation Therapy program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The contact information for the JRCERT is 20 North Wacker Drive, Suite 2850, Chicago, IL, 60606-3182, [www.jrcert.org](http://www.jrcert.org) or call (312) 704-5300.

## APPLYING TO THE PROGRAM

Students are considered to be in the pre-Radiation Therapy program once they are admitted to Baptist University and have declared a major. To progress from pre- Radiation Therapy to the clinical major, the student must have completed required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the fall trimester. Class size is limited and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If currently enrolled in another college, we strongly recommend that you apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University.

**Step 2:** Submit all required admission documentation.

**Step 3:** Accept offer to attend Baptist University.

**Step 4:** Complete and/or transfer 24 credit hours of pre-program course work with a C or better, as specified by the Radiation Therapy program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form.

Submission of the Allied Health Intent to Apply form guarantees consideration into the selection process for the program. To be competitive in the selection process, applicants should maintain a cumulative college GPA of 2.7 or above. Applicants should earn a B or better in all pre-program courses, to be competitive.

## PROGRAM SELECTION PROCESS

A selection committee for the RTT program will evaluate all completed applications in October and March each year. Applicants with a strong academic background, currently enrolled at Baptist University, and/or completing preprogram courses at institutions with collaborative or articulation agreements will be given priority for interviews. Student selection into the program is competitive, and applicants meeting minimum selection criteria are not guaranteed an interview. Some students may choose to indicate interest in more than one program to increase their chances of being accepted to the program during a year of highly competitive applicants.

Selection to the RTT program is based on the following:

- Academic potential for success from the academic record.
- Academic strength in previous college coursework, with specific attention given to performance in the preprogram courses.
- Past failures affecting cumulative college GPA and preprogram courses may impact selection into the program. Each file will be considered individually.
- Preference may be given to qualified applicants completing courses at Baptist University.
- An interview will be required for each applicant.

Notification of Selection

- Applicants will be notified in writing of selection to the RTT program.
- Applicants must accept offer to join the RTT program.
- Once a student is selected to a cohort, all pre-requisite courses for the major must be completed with a grade of C or better. Students who are unable to complete these courses successfully prior to the start of major courses will be removed from the cohort for which they were selected. Students may re-apply to the Radiation Therapy program for the next available cohort.

## DEGREE REQUIREMENTS FOR BACHELOR OF HEALTH SCIENCES IN RADIATION THERAPY

General Education		
Course #	Course Name	Credit Hours
AHS 202	Medical Terminology for the Health Sciences	2
BIO 201*	Anatomy and Physiology I	4
BIO 202*	Anatomy and Physiology II	4
BIO 301	Pathophysiology	3
BIO 320	Cross Sectional Anatomy	2
ENG 101*	English Composition I	3
ENG 102*	English Composition II	3
ENG 103	Writing for the Health Care Profession	1
ENG 201, 202, 203, and 204	Literature Elective	3
HCM 440	Law and Policy in Health Care	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
HSC 320	Research for Health Professionals	3
MAT 110/MAT 240*	College Algebra/Elements of Calculus	3
PHI 301	Biomedical Ethics and Values	3
PHY 200	Physics I	4
PHY 205	Physics II	4
PSY 201	General Psychology	3
REL 201, 210, 220, 301 or 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/COM 220	Speech Fundamentals/Intercultural Communication	3
<b>Total</b>		<b>61 Hours</b>

\*These courses must be completed as a part of the 24 hours of required preprogram courses to be considered for selection into the Radiation Therapy program.

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit hours</b>
RTT 310	Foundations of Radiation Therapy	3
RTT 332	Introduction to Radiation Physics	3
RTT 389	Introduction to Clinical Practicum	3
RTT 392	Clinical Practicum I	4
RTT 393	Clinical Practicum II	4
RTT 394	Oncology Patient Care	3
RTT 423	Radiation Therapy Symposium	2
RTT 424	Principles and Practice of Radiation Therapy I	4
RTT 426	Principles and Practice of Radiation Therapy II	3
RTT 430	Radiation Therapy Physics I	3
RTT 431	Radiation Therapy Physics II	3
RTT 432	Quality Management	2
RTT 434	Radiation Therapy Treatment Planning	3
RTT 435	Radiation Biology & Protection	3
RTT 486	Digital Imaging	3
RTT 487	CT Instrumentation and Physics	2
RTT 488	CT Procedures and Protocols	2
RTT 492	Clinical Practicum III	4
RTT 494	Clinical Practicum IV	5
RTT 496	MR Instrumentation & Physics	2
<b>Total</b>		<b>61 Hours</b>
<b>Total Credit Hours Degree Requirement</b>		<b>122 Hours</b>

*Degree Plan Subject to Change.*

Radiation Therapy major courses are offered once a year and specifically sequenced to develop progressively complex competencies by building upon previous courses and experiences. All major courses in an academic term must be completed satisfactorily in order to progress to subsequent courses in the degree plan.

## REGISTERED TECHNOLOGIST RADIOGRAPHY RT(R)-BACHELOR OF HEALTH SCIENCES IN RADIATION THERAPY ADMISSIONS PATHWAY

Credentialed medical radiographers may apply for the Bachelor of Health Sciences in Radiation Therapy. Applicants who meet the admission criteria for Baptist University and hold a valid R.T.(R) ARRT credential will receive block credit of 31 credit hours. Additionally, the completion program required a total of 36 General Education credit hours and a total of 55 credit hours within the major. A list of the block credit, the General Education, and the major courses are listed below:

<b>Block Credit*</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202	Medical Terminology	2
BIO 201	Anatomy and Physiology I	4
BIO 202	Anatomy and Physiology II	4
BIO 301	Pathophysiology	3
BIO 320	Cross Sectional Anatomy	2
COM 211	Speech Fundamentals	3
HSC 301	U.S. Health Care Systems	3
PHY 200	Physics I	4
RTT 332	Introduction to Radiation Physics	3
RTT 435	Radiation Biology and Protection	3
<b>Total</b>		<b>31 Hours</b>

\*Total block credit hours for R.T. (R)(ARRT) will be awarded upon successful completion of RTT 310 Foundations of Radiation Therapy. The R.T. (R)(ARRT) certification must be verified no later than the start of the junior year.

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO/CHE/PHY**	Natural Sciences w/ lab	4
ENG 101**	English Composition I	3
ENG 102**	English Composition II	3
ENG 103	Writing for the Health Care Profession	1
ENG 201, 202, 203, or 204**	Literature Elective	3
HCM 440	Law and Policy in Health Care	3
HSC 105	Baptist University Online /Completion Experience	1
HSC 320	Research for Health Professionals	3
MAT 110/MAT 240**	College Algebra/Elements of Calculus	3
PHI 301	Biomedical Ethics and Values	3
PSY 201**	General Psychology	3
REL 201, 210, 220, 301, 302	Religion Elective	3
SOC 201	Medical Sociology	3
<b>Total</b>		<b>36 Hours</b>

\*\* Natural Science w/lab, ENG 101, ENG 102, Literature Elective, MAT 110/240, and PSY 201 must be completed with a grade of "C" or better prior to major courses.

Major Courses		
Course #	Course Name	Credit hours
RTT 310	Foundations of Radiation Therapy	3
RTT 389	Introduction to Clinical Practicum	3
RTT 392	Clinical Practicum I	4
RTT 393	Clinical Practicum II	4
RTT 394	Oncology Patient Care	3
RTT 423	Radiation Therapy Symposium	2
RTT 424	Principles and Practice of Radiation Therapy I	4
RTT 426	Principles and Practice of Radiation Therapy II	3
RTT 430	Radiation Therapy Physics I	3
RTT 431	Radiation Therapy Physics II	3
RTT 432	Quality Management	2
RTT 434	Radiation Therapy Treatment Planning	3
RTT 486	Digital Imaging	3
RTT 487	CT Instrumentation and Physics	2
RTT 488	CT Procedures and Protocols	2
RTT 492	Clinical Practicum III	4
RTT 494	Clinical Practicum IV	5
RTT 496	MRI Instrumentation & Physics	2
<b>Total</b>		<b>55 Hours</b>
<b>Total Credit Hours Degree Requirement</b>		<b>122 Hours</b>

## RADIATION THERAPY COURSE DESCRIPTIONS

### *RTT 310 Foundations of Radiation Therapy (3)*

Course is designed to provide student with an overview of radiation therapy and the practitioner's role in the health care delivery system. Principles, practices, and policies of health care organizations. Professional responsibilities of the radiation therapist will be discussed.

### *RTT 332 Introduction to Rad Physics (3)*

Review of necessary math and physics, the structure of matter including electron configurations and the nucleus, the x-ray circuit, interactions between ionizing radiation and matter, and the application of principles necessary for the production of x-rays and gamma rays. CROSS-LISTED with RAD 331

### *RTT 389 Introduction to Clinical Practicum (3)*

Content is designed to provide students with experiential learning experiences for reinforcing concepts and skills learned in Foundations of Radiation Therapy.

### *RTT 392 Clinical Practicum I (4)*

Clinical experience obtained through assigned rotations in various affiliates. Twenty-four hours of clinic per week.

### *RTT 393 Clinical Practicum II (4)*

Continuation of assigned rotations from Clinical Practicum I. Twenty-four hours of clinic per week.

### *RTT 394 Oncology Patient Care (3)*

Content is designed to provide students with concepts and competencies in assessment and evaluation of the patient diagnosed with cancer under treatment. Psychological needs, physical needs, psychosocial considerations, factor affecting treatment outcome, and medical record management will be present and examined.

### *RTT 423 Radiation Therapy Symposium (2)*

This course is designed to develop leadership skills essential for the success of the health care professional. The students will review selected procedures with an emphasis on preparation for board exam and will prepare a portfolio.

*RTT 424 Principles & Practice of Radiation Therapy I (4)*

Content is designed to examine and evaluate the management of neoplastic disease, while promoting critical thinking and ethical clinical decision making. The epidemiology, etiology, detection, diagnosis, patient condition, treatment, and prognosis of neoplastic disease will be discussed relative to histology, anatomical site and patterns of spread.

*RTT 426 Principles and Practice of Radiation Therapy II (3)*

A continuation of clinical theory as it applies to neoplastic disease and treatment. Includes the advance skills needed to analyze complex issues of cancer disease and make informed treatment decisions.

*RTT 430 Radiation Therapy Physics I (3)*

Provides the student with a knowledge of basic radiation therapy physics. Emphasis on atomic structure, radioactivity, properties and production of high energy x-rays, interactions with matter, measurement of beam parameters including QA of linear accelerators. Use of radioisotopes in Brachytherapy and an introduction to external beam treatment planning.

*RTT 431 Radiation Therapy Physics II (3)*

Continuation of Radiation Therapy Physics I Measurement of absorbed dose, scattering, and other parameters used in external beam treatment planning and its application in common anatomical sites. Physics and dosimetry of electron beams. Emphasis will be on dosage calculations and technical quality assurance in Radiation Therapy.

*RTT 432 Quality Management (2)*

This course focuses on quality management programs and continuing quality improvements in radiation oncology. To include the need for quality assurance checks in the clinical area; QA evaluations and tests performed on simulators, treatment units, and therapy planning units; legal and regulatory implications for maintaining appropriate QM guidelines.

*RTT 434 Radiation Therapy Treatment Planning (3)*

Content is designed to establish factors that influence and govern clinical planning of patient treatment. This encompasses isodose descriptions, patient contouring, radiobiologic considerations, dosimetric calculations, compensations and clinical application of treatment beams. Optimal treatment planning is emphasized along with particle beams. Stereotactic and emerging technologies are presented.

*RTT 435 Radiation Biology & Protection (3)*

An emphasis on radiation safety and radiobiology in the clinical area to include patient and occupational dose. CROSS-LISTED with RAD 432

*RTT 486 Digital Imaging (3)*

This course examines the study and analysis of radiographic image production and image evaluation from a computed radiography (CR) and digital imaging perspective. Picture archiving communication systems (PACS), radiology information systems (RIS), and hospital information systems (HIS) will be discussed. CROSS-LISTED with RAD 484

*RTT 487 CT Instrumentation and Physics (2)*

Examination of computed tomography (CT) instrumentation and physics to include system operation and components, image processing and display, image quality, artifact recognition, and quality control. CROSS-LISTED with RAD 481

*RTT 488 CT Procedures and Protocols (2)*

Examination of computed tomography (CT) procedures and protocols to include positioning, acquisition methods, parameter selection, and special procedures. CROSS-LISTED with RAD 483

*RTT 492 Clinical Practicum III (4)*

Continuation of assigned rotations from Clinical Practicum II. Twenty-four hours of clinic per week.

*RTT 494 Clinical Practicum IV (5)*

Continuation of assigned rotations from Clinical Practicum III. Thirty-two hours of clinic per week.

*RTT 496 MR Instrumentation & Physics (3)*

Examination of magnetic resonance imaging (MRI) instrumentation and physics to include system operation and components, image processing, artifact recognition, and safety. CROSS-LISTED with RAD 494

# RESPIRATORY CARE

## MISSION

The Respiratory Care program of Baptist University will prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs). Additionally, the program will prepare leaders for the field of respiratory care by including curricular content that includes objectives related to acquisition of skills in one or more of the following: management, education, research, advanced practice (which may include an area of clinical specialization).

## PROGRAM LEARNING OUTCOMES

Upon completion of the Respiratory Care program, graduates will be able to:

- Demonstrate competence in the cognitive, psychomotor, and affective learning domains of respiratory care practice, as performed by registered respiratory therapists.
- Demonstrate competent interpretation of cardiopulmonary diagnostic findings, as obtained through thoracic assessment techniques, pulmonary function testing, radiographic imaging and clinical laboratory studies.
- Administer basic and advanced respiratory care therapeutic interventions, in a variety of health care settings, with the ability to competently and safely treat and evaluate patients' response to the therapies administered.
- Implement plans for patient, family, and staff education initiatives, while giving consideration to culturally competent behaviors in each of the domains of learning.
- Collaborate with intraprofessional and interprofessional teams to provide direction and input into decisions regarding the provision of respiratory care services and resources.

## ACCREDITATION

The Respiratory Care program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). The contact information for CoARC is 264 Precision Blvd, Telford, TX 37690, 817-283-2835, [www.coarc.com](http://www.coarc.com). CoARC holds recognition from the Council for Higher Education Accreditation (CHEA).

## APPLYING TO THE PROGRAM

A student is considered to be in the pre-Respiratory Care program once they are admitted to Baptist University and have declared a major. To progress from pre- Respiratory Care to the clinical major, the student must have completed required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the spring trimester. Class size is limited and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If currently enrolled in another college, we strongly recommend that you apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University.

**Step 2:** Submit all required admission documentation.

**Step 3:** Accept offer to attend Baptist University.

**Step 4:** Complete and/or transfer 24 credit hours of pre-program course work with a C or better, as specified by the Respiratory Care program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form.

Submission of the Intent to Apply form guarantees consideration into the selection process for the program.

To be competitive in the selection process, applicants should maintain a cumulative college GPA of 2.7 or above.

Applicants should earn a B or better in all pre-program courses, to be competitive.

## PROGRAM SELECTION PROCESS

A selection committee for the Respiratory Care program will evaluate all completed applications. Applicants meeting the following criteria will receive priority consideration for interviews: applicants currently enrolled at Baptist University, applicants with a strong academic background, and applicants completing preprogram courses at institutions with collaborative or articulation agreements. Student selection into the program is competitive; applicants meeting minimum selection criteria are not guaranteed an interview.

Selection to the Respiratory Care program is based on the following:

- Academic potential for success based on academic record
- Academic strength in previous college coursework, with specific attention given to performance in the preprogram courses
- Past failures affecting cumulative college GPA and preprogram courses. **Failure of preprogram courses may impact selection and progression into the program after selection.**
- Preferences that may be given to qualified applicants completing courses at Baptist University
- A sample writing assessment and personal interview which will be conducted on campus at Baptist University. For the sample writing assessment, applicants will be required to answer questions using an essay format. These questions will be completed prior to the personal interview and on the same day. Applicants will be given 30 minutes to complete the essay questions.
- Applicants will be evaluated on their written and verbal communication skills, academic performance, and knowledge of the Respiratory Care profession.

Notification of Selection

- Applicants will be notified in writing of selection to the Respiratory Care Program.

## DEGREE REQUIREMENTS FOR BACHELOR OF HEALTH SCIENCES IN RESPIRATORY CARE

General Education		
Course #	Course Name	Credit Hours
AHS 202	Medical Terminology for the Health Sciences	2
BIO 201*	Anatomy and Physiology I	4
BIO 202*	Anatomy and Physiology II	4
BIO 205	Microbiology	4
CHE 115	General Chemistry I	4
ENG 101*	English Composition I*	3
ENG 102*	English Composition II*	3
ENG 201, 202, 203 or 204	Literature Elective	3
HCM 440	Law and Policy in Health Care	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
HSC 320 or MAT 211	Research for the Health Professionals or Statistics	3
MAT 110/MAT 240*	College Algebra/Elements of Calculus	3
PHI 301	Biomedical Ethics and Values	3
PSY 201	General Psychology	3
PSY 301	Human Growth and Development	3
REL201, 210, 220, 301, or 302.	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/COM 220	Speech Fundamentals/Intercultural Communication	3
<b>Total</b>		<b>58 Hours</b>

\*To be considered for selection into the Respiratory Care Program, courses marked with an asterisk must be completed as part of the 24 credit hours of required pre-program courses.



<b>Major Courses</b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hours</b>
AHS 390	Clinical Leadership for Health Sciences Professionals	3
BIO 310	Applied Pathophysiology	3
BIO 360	Applied Anatomy & Physiology	3
RCP 210	Basic Skills of Respiratory Care Practice	2
RCP 299	Introduction to Clinical Practicum	1
RCP 301	Clinical Practicum	4
RCP 303	Foundations of Clinical Practice	2
RCP 307	Clinical Practicum II	4
RCP 308	Pharmacology	2
RCP 309	Principles of Mechanical Ventilation	2
RCP 310	Foundations of Respiratory Care	3
RCP 311	Respiratory Care Theory I	4
RCP 312	Respiratory Care Theory II	4
RCP 313	Advanced Cardiovascular Life Support Provider Prep	1
RCP 357	Diagnostic Techniques	2
RCP 401	Clinical Practicum III	4
RCP 406	Clinical Practicum IV	3
RCP 413	Respiratory Care Theory III	4
RCP 416	Capstone Competency in Respiratory Care	2
RCP 421	Clinical Internship in Respiratory Care	3
RCP 430	Neonatal Respiratory Care	2
RCP 433	Expanded Clinical Practice in Respiratory Care	2
RCP 434	Pediatric Respiratory Care	2
RCP 435	Community and Public Health for the Respiratory Care Practitioner	2
<b>Total</b>		<b>64 Hours</b>
<b>Total Credit Hours for Degree Requirement</b>		<b>122 Hours</b>

Respiratory care major courses are offered once a year and specifically sequenced to develop progressively complex competencies by building upon previous courses and experiences. All major courses in an academic term must be completed satisfactorily with a final course grade of "C" or higher in order to progress to subsequent courses in the degree plan.

## RESPIRATORY CARE ACCELERATED PROGRESSION

The Accelerated Progression option is designed to provide first-time freshman students with the option to matriculate through the curriculum requirements to earn the Bachelors of Health Sciences (BHS) degree with a concentration in Respiratory Care within 3 calendar years.

## SELECTION PROCESS FOR ACCELERATED PROGRESSION (First-time Freshmen)

To be eligible for consideration of selection into the Respiratory Care Accelerated Progression option, first-time freshman students must meet the following criteria:

- GPA and ACT/SAT Requirements (based on a sliding scale)

ACT/SAT Score	High School GPA
20/1040	3.50
21/1080	3.35
22/1110	3.20

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University

**Step 2:** Submit all required admission documentation

**Step 3:** Accept offer to attend Baptist University

**Step 4:** Submit the Allied Health Intent to Apply Form

Students enrolled under the Accelerated Progression option will complete major courses in the same sequencing as detailed in the curriculum plan. However, in collaboration with the student's academic advisor, general education courses may be resequenced, as needed.

## RESPIRATORY CARE PROGRAM ADVANCED PROGRESSION

Advanced Progression provides students the option to satisfy major course requirements earlier in their academic studies.

This option consists of the following:

- Provides students who have been awarded a high number of transfer credit hours to begin taking the major courses prior to completing all required General Education courses. This provides a clinical start date earlier than anticipated.
- Provides students with a re-sequenced Degree Plan that places several General Education courses to be taken during the student's senior year of study.
- Provides students with the opportunity to satisfy major courses prior to completing degree requirements. This option allows students to have an extended period to prepare for the National Board for Respiratory Care (NBRC) credentialing exam. Students will be eligible to apply to take the NBRC-credentialing exam after receiving the Bachelor of Health Science degree.

## SELECTION PROCESS FOR ADVANCED PROGRESSION (Transfer Students)

To be considered for Advanced Progression, transfer students must:

- Possess a cumulative GPA of 3.1 or higher; and
- Agree to the curriculum sequence established prior to beginning Respiratory Care courses.

**Advanced Progression is available to students in the Respiratory Care program only. The Advanced Progression option is not applicable to practicing registered respiratory therapists (RRTs). RRTs may pursue selection into the RRT-BHS Completion program, which is a degree advancement program.**

## REGISTERED RESPIRATORY THERAPIST – BACHELOR OF HEALTH SCIENCES (RRT-BHS) RESPIRATORY CARE COMPLETION PROGRAM

This program is designed for registered respiratory therapists (RRTs) seeking to advance their degree by obtaining a Bachelor of Health Sciences (BHS) in Respiratory Care. RRTs who hold a diploma or associate degree in Respiratory Care are eligible for admission into RRT-BHS Completion Program.

### Selection

To be considered for selection into the RRT-BHS Completion program, applicants must meet the following minimum requirements:

- Meet all Baptist University admission requirements and be accepted to the University;
- Hold an active RRT credential from the National Board for Respiratory Care (NBRC);
- Hold a current license to practice Respiratory Care from the state in which they practice.

Applicants admitted to Baptist University may be simultaneously admitted to the RRT-BHS Completion Program after participating in an interview with Respiratory Care Program faculty. Unlike students accepted into the traditional Respiratory Care Program, RRT-BHS applicants may start this program with the start of the fall, spring or summer term.

### Progression

Upon admission into the RRT-BHS Completion Program, students may enroll in:

- Major and required general education/health studies (GEHS) courses any term the course is offered; and
- Major courses and GEHS courses simultaneously; students do not have to complete required general education courses prior to enrolling in major courses.

Students may enroll as a full-time or part-time student; full-time status is not required for RRT-BHS Completion students.

## DEGREE REQUIREMENTS FOR RRT – BHS COMPLETION PROGRAM

Baptist University encourages degree advancement for registered respiratory therapists (RRTs) holding an associate degree or diploma from a Commission on Accreditation for Respiratory Care (CoARC) accredited Respiratory Care program.

Students may receive credit for general education/health studies (GEHS) courses transferred in from other regionally accredited colleges and universities. Additionally, students may have options to be awarded credit-for prior learning (CPL) for GEHS and/or major courses.

The RRT credential is recognized as evidence of advanced competency in the field of Respiratory Care. Applicants who have met the admission criteria for Baptist University and hold a valid RRT credential will receive a block credit of 48 credit hours. Additionally, the completion program requires a total of 56 General Education credit hours and a total of 18 credit hours within the major. A list of the block credit, the General Education, and the major courses are listed below:

<b>Block Credit</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 205	Collaboration for Quality in Interprofessional Care	1
BIO 310	Applied Pathophysiology	3
BIO 360	Applied Anatomy and Physiology	3
RCP 299	Introduction to Clinical Practicum	1
RCP 301	Clinical Practicum I	4
RCP 307	Clinical Practicum II	4
RCP 308	Pharmacology	2
RCP 309	Principles of Mechanical Ventilation	2
RCP 310	Foundations of Respiratory Care	3
RCP 311	Respiratory Care Theory I	4
RCP 312	Respiratory Care Theory II	4
RCP 357	Diagnostic Techniques	2
RCP 401	Clinical Practicum III	4
RCP 406	Clinical Practicum IV	3
RCP 413	Respiratory Care Theory III	4
RCP 430	Neonatal Respiratory Care	2
RCP 434	Pediatric Respiratory Care	2
	<b>Total</b>	<b>48 Hours</b>

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 201	Anatomy and Physiology I	4
BIO 202	Anatomy and Physiology II	4
BIO 205	Microbiology	4
CHE 115	General Chemistry I	4
ENG 101	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203, or 204	Literature Elective	3
HCM 440	Law and Policy in Health Care	3
HSC 105	Baptist University Online / Completion Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110/240	College Algebra/Elements of Calculus	3
MAT 211or HSC 320	Statistics/Research for Health Professionals	3
PHI 301	Biomedical Ethics and Values	3
PSY 201	General Psychology	3
PSY 301	Human Growth and Development	3
REL 201, 210, 301 or 302	Religion Elective	3
SOC 201	Medical Sociology	3
COM 211/COM 220	Speech Fundamentals/Intercultural Communication	3
	<b>Total</b>	<b>56 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 390	Clinical Leadership for Health Sciences Professionals	3
BIO or HCM Elective	Higher Level Science or a HCM Course	3
BIO 401 or HSC 460	Special Topics in Biology or Independent Research	1
ENG 103	Writing for the Health Sciences	1
HCM 350	Organizational Behavior and Development	3
RCP 421	Clinical Internship in Respiratory Care	3
RCP 433	Expanded Clinical Practice in Respiratory Care	2
RCP 435	Community and Public Health for RCP's	2
<b>Total</b>		<b>18 Hours</b>
<b>*Professional Experience Block Credit</b>		<b>48 Hours</b>
<b>Total Credit Hours for Degree Requirement</b>		<b>122 Hours</b>

*Degree Plan Subject to Change.*

## RESPIRATORY CARE COURSE DESCRIPTIONS

### *RCP 210 Basic Skills of Respiratory Care Practice (2)*

This course is an introduction of basic skills fundamental to the practices of Respiratory Care. Content includes but is not limited to principles of documentation, patient assessment techniques, patient safety techniques, medical devices use, and AARC clinical practice guidelines. The course consists of 2 hours of lecture and 2 hours of lab per week.

### *RCP 299 Introduction to Clinical Practicum (1)*

This course will introduce students to essential behaviors applicable to clinical practicum courses. Course content will explore requirements related patient safety, scopes of clinical practice, basic patient assessment, and documentation of clinical practicum activities.

### *RCP 301 Clinical Practicum I (4)*

Application of client assessment, treatment, and evaluation in the general care environment of the hospital. Reinforcement of concepts and skills learned in current and prior didactic lab courses will be applied. Competency evaluation of Respiratory Care modalities will be completed.

### *RCP 303 Foundations of Clinical Practice (2)*

Course introduces foundational elements of clinical practice. Practicum emphasizes basic assessment of cardiopulmonary function; collection and interpretation of clinical findings; and documentation of assessment findings and respiratory care therapeutics/intervention.

### *RCP 307 Clinical Practicum II (4)*

Application of advanced respiratory care modalities in the critical care environment of the hospital. Reinforcement of concepts and skills learned in current and prior didactic/lab courses will be applied. Competency evaluation of respiratory care modalities will be completed.

### *RCP 308 Pharmacology (2)*

Course covers general principles of pharmacology as well as respiratory, anti-infective, and cardiovascular system drugs. Selected central nervous system, autonomic nervous system, corticosteroid, diuretic, and antacid agents as they relate to respiratory and critical care will be discussed.

### *RCP 309 Principles of Mechanical Ventilation (2)*

Course content is a comprehensive study of the physiologic principles and functions relevant to ventilation; impaired ventilation and therapeutic interventions; and indications for mechanical ventilation.

*RCP 310 Foundations of Respiratory Care (3)*

A study of the fundamental laws and theories of chemistry, physics, and patient care procedures as related to respiratory care. Two hours of lecture and three hours of laboratory per week.

*RCP 311 Respiratory Care Theory I (4)*

Study of respiratory care modalities, equipment design and operation, up to mechanical ventilatory support. Three hours of lecture and three hours of laboratory per week.

*RCP 312 Respiratory Care Theory II (4)*

Study of the initiation, implementation, and discontinuation of adult mechanical ventilation. Includes identification and treatment of respiratory failure in the adult. ACLS Certification is included. Three hours of lecture and three hours of laboratory per week.

*RCP 313 Advanced Cardiovascular Life Support Provider Prep (1)*

This course is an introduction to Advanced Cardiovascular Life Support (ACLS) and provides the basis for responding to a critical care event. Topics covered include patient assessment, airway management, ECG rhythm interpretation, treatment protocols, pharmacological agents, and critical care algorithms. ACLS certification is required and the conclusion of the course.

*RCP 357 Diagnostic Techniques (2)*

This course involves study of diagnostic techniques and interpretation of findings relevant to assessing cardiopulmonary physiology and function. Diagnostic procedures to be explored include: pulmonary function testing, bronchoscopy, electrocardiography, radiography, and arterial sampling.

*RCP 401 Clinical Practicum III (4)*

Application of advanced respiratory care modalities in the critical care, neonatal intensive care, and home care settings. Reinforcement of concepts and skills learned in current and prior didactic lab courses will be applied. Competency evaluation of respiratory care modalities will be completed.

*RCP 406 Clinical Practicum IV (3)*

Application of specialty care modalities within and beyond the acute care setting. Reinforcement of concepts and skills learned in current and prior didactic/lab courses will be applied. Competency evaluation of respiratory care modalities will be completed.

*RCP 413 Respiratory Care Theory III (4)*

Study of adult mechanical ventilation and cardiac/pulmonary monitoring techniques that are used in critical care settings, including hemodynamics as well as fluid and electrolyte balance. Three hours of lecture and one hour of laboratory per week.

*RCP 416 Capstone Competency in Respiratory Care (2)*

Comprehensive assessment of knowledge-base and skillset requirements essential to clinical practice and workforce readiness; includes student-driven facilitation of current trends and needs in professional practice.

*RCP 421 Clinical Internship in Respiratory Care (3)*

Provides an opportunity for intensive study and experience in an area of the student's choice. Can include, but is not limited to, research, education, management, business, neonatal care, ECMO, subacute/home care, physician office practice, case management, diagnostics, hyperbaric medicine, or polysomnography.

*RCP 430 Neonatal Respiratory Care (2)*

This course involves the study of fetal development and transition into an extrauterine environment. Course content will also explore diagnostic evaluation and therapeutic interventions, as applicable to common cardiopulmonary disorders impacting the fetus and neonatal patient, to include stabilization and resuscitation techniques.

*RCP 433 Expanded Clinical Practices in Respiratory Care (2)*

Course provides an overview of the roles of respiratory care practitioners beyond that of the traditional acute care environment. Content explores roles and responsibilities relative to cardiopulmonary rehabilitation; home and palliative care; primary care; case management; and polysomnography.

*RCP 434 Pediatric Respiratory Care (2)*

This course involves the study of congenital, acute, and non-accidental disorders impacting the pediatric population. Course content will also explore diagnostic evaluation and therapeutic interventions, to include stabilization and resuscitation techniques.

*RCP 435 Community and Public Health for the Respiratory Care Practitioner (2)*

Course introduces key aspects relevant to community health and roles of respiratory care practitioners in health maintenance, prevention, mitigation, and promotion. Course content emphasizes: evidence-based disease management; cultural and socioeconomic considerations for community health; emergency management/preparedness models; financial impact of community health and wellness; health services collaborations; and utilization of technology.

# SURGICAL TECHNOLOGY PROGRAM

## MISSION

The Surgical Technology degree program of Baptist University will prepare students with a solid foundation in surgical technology that will equip them for the dynamic, ever-changing field of surgery.

## PROGRAM LEARNING GOAL

To prepare competent entry-level surgical technologist in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to provide ethical care and compassionate care.

## PROGRAM LEARNING OUTCOMES/LEARNING DOMAINS

Upon completion of the course of study in Surgical Technology, graduates will:

1. Demonstrate clinical proficiency of surgical technology practices and procedures.
2. Function as a knowledgeable entry-level surgical technologist.
3. Exhibit behavioral skills that reflect professionalism (e.g., effective communication, appropriate surgical setting rationale, time management skills).

## CLINICAL CASE REQUIREMENTS

Students must complete a minimum of 120 cases as delineated below:

- A. **General Surgery Cases** Students must complete a minimum of 30 cases in General Surgery; 20 which must be performed in the First Scrub Role. The remaining 10 cases may be performed in either the First or Second Scrub Role.
- B. **Specialty Cases** Students must complete a minimum of 90 cases in various surgical specialties, excluding General Surgery; 60 which must be performed in the First Scrub Role. The additional 30 cases may be performed in either the First or Second Scrub Role.
  - 1) A minimum of 60 surgical specialty cases must be performed in the First Scrub Role and distributed amongst a minimum of four surgical specialties.
    - (a) A minimum of 10 cases in the First Scrub Role must be completed in each of the required minimum of four surgical specialties (40 cases total required).
    - (b) The additional 20 cases in the First Scrub Role may be distributed amongst any one surgical specialty or multiple surgical specialties.
  - 2) The remaining 30 surgical specialty cases may be performed in any surgical specialty either in the First or Second Scrub Role.
- C. **Optional Surgical Specialties** Diagnostic endoscopy cases and vaginal delivery cases are not mandatory. However, up to 10 diagnostic endoscopic cases and 5 vaginal delivery cases can be counted toward the maximum number of Second Scrub Role cases.
  - 1) Diagnostic endoscopy cases must be documented in the category of "Diagnostic Endoscopy", rather than by specialty.
  - 2) Vaginal delivery cases must be documented in the category of "Labor & Delivery" rather than in the OB/GYN specialty.
- D. Case experience in the Second Scrub Role is **not** mandatory.
- E. Observation cases **must be documented**, but do not count towards the 120 required cases.

These are the requirements of the *Revised Core Curriculum for Surgical Technology*, 6<sup>th</sup> Ed. Surgical Rotation Case Requirements.

[https://arcstsa.org/wp-content/uploads/2020/07/2014\\_Revised\\_Core\\_Curriculum\\_Surgical\\_Rotation\\_Case\\_Requirements.pdf](https://arcstsa.org/wp-content/uploads/2020/07/2014_Revised_Core_Curriculum_Surgical_Rotation_Case_Requirements.pdf)



## APPLYING TO THE PROGRAM

A student is considered to be in the pre-Surgical Technology program once they are admitted to Baptist University and have declared a major. To progress from pre- Surgical Technology to the clinical major, the student must have completed 12 credit hours (to include ENG 101 and MAT 110) of required program prerequisites and apply for selection into the program. Cohorts begin the program course work in the spring trimester. Class size is limited, and the selection process is competitive.

First-time college students are encouraged to begin their college education at Baptist University. If currently enrolled in another college, we strongly recommend that you apply for admission to Baptist University as soon as possible to complete the required pre-program college level courses.

Steps for Applying to the Program:

**Step 1:** Submit an application for admission to Baptist University

**Step 2:** Submit all required admission documentation

**Step 3:** Accept offer to attend Baptist University

**Step 4:** Complete and/or transfer 12 credit hours (to include ENG 101, and MAT 110) of pre-program course work with a C or better, as specified by the Surgical Technology program degree requirements.

**Step 5:** Submit the Allied Health Intent to Apply Form. To apply to the Surgical Technology major, student must currently be enrolled or have successfully completed AHS 202, ENG 102, and BIO 150.

Submission of the Intent to Apply form guarantees consideration into the selection process for the program.

To be competitive in the selection process, applicants should maintain a cumulative college GPA of 2.7 or above.

Applicants should earn a B or better in all pre-program courses, to be competitive.

## PROGRAM SELECTION PROCESS

A selection committee for the Surgical Technology program will evaluate all completed applications. Applicants with a strong academic background and currently enrolled in Baptist University, or applicants completing preprogram courses at institutions with collaborative or articulation agreements will receive priority consideration for interviews. Student selection into the program is competitive, and applicants meeting minimum selection criteria are not guaranteed an interview. Some students may choose to indicate interest in more than one program to increase their chances of being accepted during a year of highly competitive applicants.

Selection to the Surgical Technology program is based on the following:

- Academic potential for success from the academic record.
- Academic strength in previous college coursework, with specific attention given to performance in the preprogram courses.
- Past failures affecting cumulative college GPA and preprogram courses may impact selection into the program. Each file will be considered individually.
- Preference may be given to qualified applicants completing courses at Baptist University.
- A personal interview will be required of each applicant. Students will be evaluated on personal strengths and knowledge of the Surgical Technology program and profession.

Notification of Selection:

- Applicants will be notified in writing of selection to the Surgical Technology program.

## DEGREE REQUIREMENTS FOR ASSOCIATE OF SCIENCE IN SURGICAL TECHNOLOGY

<b>General Education</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
AHS 202	Medical Terminology	2
BIO 150	Foundations of Anatomy and Physiology	4
COM 211/220	Speech Fundamentals/Intercultural Communication	3
ENG 101*	English Composition I	3
ENG 102	English Composition II	3
ENG 201, 202, 203 or 204	Literature Elective	3
HSC 104	Baptist University Experience	1
HSC 301	U.S. Health Care Systems	3
MAT 110*	College Algebra	3
PSY 201	General Psychology	3
REL 201, 210, 220, 301, or 302	Religion Elective	3
SOC 201	Medical Sociology	3
	<b>Total</b>	<b>34 Hours</b>

<b>Major Courses</b>		
<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
SUR 101	Surgical Technology I	3
SUR 102	Surgical Procedures I	3
SUR 103	Sterile Techniques Lab	3
SUR 104	Clinical Practicum I	1
SUR 201	Surgical Technology II	3
SUR 202	Surgical Procedures II	3
SUR 203	Sterile Techniques Lab II	1
SUR 204	Clinical Practicum II	4
SUR 205	Applied Pharmacology & Anesthesia	2
SUR 206	Clinical Practicum III	4
SUR 207	Clinical Practicum IV	4
SUR 208	Seminar	2
	<b>Total</b>	<b>33 Hours</b>
	<b>Total Credit Hours for Degree Requirement</b>	<b>67 Hours</b>

\*These courses must be completed as a part of the 12 hours of required pre-program courses to be considered for selection into the Surgical Technology Program. To apply to the Surgical Technology major, student must currently be enrolled or have successfully completed AHS 202, ENG 102, and BIO 150

Surgical Technology major courses are offered once a year and specifically sequenced to develop progressively complex competencies by building upon previous courses and experiences. All major courses in an academic term must be completed satisfactorily in order to progress to subsequent courses in the degree plan. Please refer to the Surgical Technology sample degree plan for course sequencing.

## SURGICAL TECHNOLOGY COURSE DESCRIPTIONS

### *SUR 101 Surgical Technology I (3)*

This course introduces the student to the profession of surgical technology, including the development of the profession and the various roles within the operating room (OR). Students are introduced to infectious disease control and aseptic technique. Topics discussed include: proper attire for the OR; principles of OR design; surgical techniques; OR emergency preparedness; and OR equipment and supplies.

Pre-requisite: AHS 202, BIO 150, and selection to the surgical technology program

### *SUR 102 Surgical Procedures I (3)*

Introduction of surgical procedures unique to the following surgical specialties: Surgical techniques and hemostasis, diagnostic procedures, laparoscopic minimally invasive surgery, general surgery, gynecological/obstetric surgery, ophthalmic surgery, otorhinolaryngology surgery, and genitourinary. Students will also learn general surgical techniques applicable to the various specialties.

Pre-requisite: AHS 202, BIO 150, and selection to the Surgical Technology Program

### *SUR 103 Sterile Techniques Lab I (3)*

This introductory course offers an overview of concepts with a practical application of the skills performed by a surgical technologist. Principles and concepts of aseptic technique, sterilization and disinfection as they relate to the surgical suite will be modeled in a controlled setting in preparation for field experience. Laboratory practice is a required component. Student should anticipate spending 3 hours in lab three days per week.

Pre-requisite: AHS 202, BIO 150, and selection to the Surgical Technology Program

### *SUR 104 Clinical Practicum I (1)*

Introduction to the clinical setting whereby students will observe the functions of the operating room, including teamwork by a variety of healthcare professionals. Students will learn to observe, analyze, and document surgical cases, as well as be introduced to case planning. Course includes competency evaluation of surgical technology procedures.

Pre-requisite: AHS 202, BIO 150, and selection to the surgical technology program

### *SUR 201 Surgical Technology II (3)*

This course focuses on developing skills ancillary to the core role of the surgical technologist. These skills include processing of surgical instruments, application of microbiology to the surgical setting and sterile processing; positioning of patients for surgery, as well as basic patient care. Advanced surgical techniques including robotics, minimally invasive surgery, surgical lasers, and medical law and ethics will be taught.

Pre-requisite: SUR 101

### *SUR 202 Surgical Procedures II (3)*

Surgical procedures in more advanced surgical specialties will be taught. Building on the foundations of surgical procedures I; these specialties include oral/maxillofacial surgery, plastic and reconstructive surgery, orthopedic surgery, cardiothoracic surgery, peripheral vascular surgery, and neurosurgery.

Pre-requisite: SUR 102

### *SUR 203 Sterile Techniques Lab II (1)*

Continuation of concepts with a practical application of the skills performed by the surgical technologist. Advanced principles and concepts of aseptic technique, sterilization and disinfection as they relate to the surgical suite will continue to be modeled in a controlled setting in preparation for field experience.

Prerequisite: SUR 103

### *SUR 204 Clinical Practicum II (4)*

Continuation of assigned clinical experience. Students will participate in a variety of surgeries, with the goal of satisfying the required number of surgical cases for the NBSTA (National Board of Surgical Technologists and Surgical Assistants) board exam. Course includes competency evaluation of surgical technology procedures.

Prerequisite: SUR 104

*SUR 205 Applied Pharmacology and Anesthesia (2)*

This course introduces the fundamentals of pharmacology as they relate to the surgical setting. This includes the following topics: antibiotics, diuretics, fluids, and various anesthetic agents. In addition, basic concepts of microbiology are presented. Proper medication handling, labeling, and administration are introduced, along with the basics of patient monitoring.

*SUR 206 Clinical Practicum III (4)*

Continuation of assigned clinical experience. Students will participate in a variety of surgeries with an increased level of responsibility, with the goal of satisfying the required number of surgical cases for the NBSTA (National Board of Surgical Technologists and Surgical Assistants) board exam. Course includes competency evaluation of surgical technology procedures.

Prerequisite: SUR 204

*SUR 207 Clinical Practicum IV (4)*

Continuation of assigned clinical experience. Students will participate in surgical cases, performing all of the functions of a surgical technologist. Students will complete all case requirements as prescribed by the ARCSTSA in order to meet eligibility for the NBSTSA CST examination. Course includes competency evaluation of surgical technology procedures.

Prerequisite: SUR 206

*SUR 208 Seminar (2)*

This course is designed to develop leadership skills essential to the success of a healthcare provider. Analysis of the *CST Examination Content Online* published by the NBSTSA will be included with an emphasis on preparation for the board exam.

Pre-requisites: Must be taken during last trimester of program.

Co-requisites: SUR 207

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