

**School of Nursing and Allied  
Health Professions**



## **School of Nursing and Allied Health Professions Mission**

To educate students within the University environment, at the graduate and undergraduate levels, to assume a professional role in the delivery of high quality care in nursing and radiologic science, and to cultivate a sense of responsibility to be actively involved in service to the human family.

### **Contact Information**

School Dean: Christine M. Rosner, RN, PhD

BSN Chair: Karen Montalto, RN, PhD

MSN Chair: Ana Maria Catanzaro, RN, PhD

Radiologic Science Program Chair: Cyrus Whaley, EdD

Coordinator for RN-BSN Program offered through the Division of Extended Learning: Mary Wombwell, RN, EdD

# Undergraduate Degree Programs

## **Bachelor of Science degree programs includes:**

- Nursing (BSN)
- Nursing (RN – BSN Track) Accelerated Program, Division of Extended Learning
- Radiologic Science (BSRS)
- Concentration in:
  - Mammography
  - Computed Tomography
  - Magnetic Resonance Tracks

## **Associate of Science degree program includes:**

- Radiologic Science (ASRS)

## **Graduate Degree program includes:**

- Master of Science in Nursing (MSN)
- Concentrations in:
  - Nursing Education
  - Nursing Administration
  - Community Health Nursing

## **Courses**

- Nursing and Radiologic Science

*Information about Holy Family University's Masters Program in Nursing is available on the web at [www.holyfamily.edu](http://www.holyfamily.edu).*

# Undergraduate Degree Program in Nursing

## BSN Program Goals

- To provide a nursing curriculum that is designed to meet global health care needs
- To prepare students to practice as a professional nurse generalist
- To educate students to provide high quality nursing care to diverse populations
- To provide a foundation for graduate study.

## Admission, Progression, and Graduation Policies

### Admission

Effective for Fall 2012, to be accepted as a nursing major, students must have a minimum SAT score of 950 combined Critical Reading and Math. Students with SAT scores between 860 and 940 can be accepted as a pre-nursing major.

For pre-nursing majors, academic performance will be reviewed at the end of the second semester. Approval for a change of concentration to nursing requires:

- Overall Holy Family GPA is at least a 2.75 or above
- No more than one Science, Math, or English course failure
- Successful completion of core science course (a grade of "C" or higher)
- Successful completion of at least one concentration-related science course (BIOL 206, BIOL 207, or BIOL 208)
- Successful completion of core mathematics course (a grade of "C" or higher)
- Science and Mathematics GPA 2.75 or above (courses included in this GPA are BIOL 206, BIOL 207, BIOL 208, core science course, core math course, and MATH 130)

Transfer students must have a minimum cumulative GPA of 3.0 for admission.

Students are admitted to the University as pre-Nursing students. Freshman: To be accepted as a pre-nursing major, students must meet the following SAT requirement: Minimum Critical Reading SAT score of 450, Minimum Math SAT score of 400 (Effective for Fall 2010 admissions). Transfer students must have a minimum cumulative GPA of 3.0 for admission, and a science and math GPA of 2.75 (courses include BIOL 206, BIOL 207, BIOL 208, core science, core math, and MATH 130).

## Progression

To change program status from pre-Nursing to Nursing and to be eligible to enter the 300-level Nursing courses students must:

- Complete all clearances through American Databank by the end of NURS 214
- Have a clear FBI background check
- Have a clear drug screen
- Complete all prerequisite courses with a minimum grade of C
- Complete a minimum of 60 semester credit hours
- Achieve an overall Holy Family University GPA of 2.75
- The student must have a science/quantification/pre-nursing GPA of  $>2.75$  as computed for the following courses. The GPA will be calculated as follows.

Quality points for the grade earned in the following courses will be divided by 24 credits to determine student's science/quantification/pre-nursing GPA:

- BIOL 206 Microbiology (4 credits)
- BIOL 207 Anatomy & Physiology I (4 credits)
- BIOL 208 Anatomy & Physiology II (4 credits)
- Core Quantification (3 credits)
- NURS 102 Man, Health, Environment (2 credits)
- NURS 210 Essential Elements of Nursing Practice (4 credits)
- NURS 214 Health Assessment (3 credits)
- Failure to progress in this time frame will result in dismissal from the nursing program.
- Achieve a 90% proficiency on the 200-level med-math competency test.

## Progression and Graduation

- The student progresses through the pre-nursing courses (NURS 102, NURS 210, NURS 214), one course per semester sequentially in three separate but consecutive semesters according to the order identified on the course sequent sheet and provided there are no failures or withdrawals.
- Students may not "skip" semesters once in the pre-nursing sequence, without taking a leave of absence
- To progress in the BSN program, students must achieve a minimum grade of C in all nursing courses.
- The 300 level clinical courses must be completed before taking the 400 level clinical courses.
- Students must progress by taking all required nursing courses each semester, as outlined on the sequence sheet.
- Students may withdraw from only one nursing course during the program.

- Students may not withdraw from a course that is being repeated because of previous withdrawal or failure.
- In courses containing theory and clinical experiences or lab, all components of the course must be passed simultaneously. A failing or unsatisfactory grade in any component of the course constitutes a failure for the course. A student who fails the clinical component of any course is automatically dismissed from the nursing program.
- Students are required to complete the program in five calendar years from the time they take the first 300 level clinical nursing courses. Students who drop out of the program for a semester need to be reviewed by the BSN Chair. Qualified candidates may be readmitted to continue on a space available basis.
- Students must demonstrate a minimum score of 90% on the medication math competency tests at the end of the 200, and 300 curriculum levels and the beginning of the 400 level.
- A cumulative GPA of 2.75 must be maintained. If a student's GPA drops below 2.75, the student has one semester to raise it or be dismissed from the nursing program.
- Students who drop out of the program for a full calendar year or more must follow University policy for readmission to the University and re-apply to the nursing program.
- Students are responsible for reading and adhering to all policies and procedures outlined in the *BSN Student Handbook*.

### **Graduation from Program**

To graduate from the Nursing program, a student must:

- Earn a cumulative GPA of 2.75.
- Achieve a 90% on the 400 level medication math competency test.
- Pass a comprehensive examination (*BSN Handbook Volume VIII B, Policy 8.18*)
- Attend a live review course prior to the last semester of the program.
- Attend an IV therapy course prior to the end of the program.

### **Program Dismissal**

Dismissal from the Nursing program occurs when the student:

- Fails the clinical component of a nursing course.
- Fails two nursing courses.
- Fails any required course for the second time.
- Fails to achieve an overall GPA of 2.75 within one semester of completion of 200 level nursing courses.

- Fails to achieve a science/math/pre-nursing GPA of 2.75 (BIOL 206, BIOL 207, BIOL 208, Core MATH, NURS 102, NURS 210, NURS 214).
- Fails any required level medication math competency exams the third time.
- Withdraws from a second nursing course.
- Withdraws from a nursing course being repeated due to past failure or withdrawal.
- Fails to raise their overall GPA to 2.75 after one semester in the 300 or 400 level.
- Fails to demonstrate safe clinical practice.
- Fails to meet policies for clinical compliance and health regulation.
- Does not have a clear FBI background.
- Does not have a clear drug screen.

### **Qualification for Licensure**

Graduates of the BSN Nursing program are eligible for licensure in all states in the United States. Satisfactory performance in the National Council Licensure Examination for Registered Nurses (NCLEX-RN), as prescribed by the respective state, results in the designation of registered nurse (RN). A registered nurse is entitled to licensure by endorsement in other states.

### **Clinical Policies**

- Entrance into a clinical course is contingent upon the number of clinical spaces for students and the availability of appropriate clinical sites and clinical faculty.
- Students may not request a specific clinical placement.
- Students are responsible for their own transportation to any clinical site.
- Students must wear the required clinical uniform from Dove apparel, and must adhere to the clinical uniform policy.
- Students who do not demonstrate safe clinical practice are subject to immediate dismissal from the program. Safe clinical practice is defined by:
  - Course objectives
  - Professional Behavior and Safety Criteria for Nursing Students
  - Clinical Conduct and Compliance policies
  - ANA Scope and Standards of Practice.
  - Nursing's Social Policy Statement
  - Code of Ethics for Nurses
  - The Professional Nurse Practice Act of the Commonwealth of Pennsylvania.
- Usual clinical days are Monday, Thursday and Friday.
- Saturdays are the clinical days for the evening program students.

- Saturdays may be utilized for day students as needed.
- Clinical hours vary by course and may be scheduled for 6 or 8 hours.
- The hours may vary based on the clinical agency and faculty availability and can occur any time between the hours of 7:00 a.m. and 11:00 p.m.
- Students should not enroll in evening classes on clinical days unless the specific time for their clinical experience can be guaranteed to take place between the hours of 7:00 a.m. and 3:00 p.m.

### **Clinical Compliance and Health Regulations**

Students in the BSN program have a responsibility to maintain high standards of health practice since they have direct contact with individuals who suffer a variety of illnesses. Clinical compliance policies and health regulations required of students in the clinical setting are determined, in part, by the agencies that students visit and the State Board of Nursing and cannot be waived or changed.

Prior to starting clinical courses, each student is required, as mandated by the Pennsylvania State Board of Nursing and clinical agencies, to present evidence of good health, immunity to certain communicable diseases, a clear criminal background check (FBI, Pennsylvania state, Child abuse), and a negative drug screen. This documentation must be updated annually and submitted through American Data Bank online. The student is responsible for all costs associated with obtaining and maintaining clinical compliances and health regulations. The student will receive all notification about expiration of clinical compliance issues through the American Data Bank service and will be dropped from clinical courses if not noted to be compliant and confirmed. Students who allow their compliances to lapse during the semester will be dismissed from the course.

### **Part-time Option**

Admission to the BSN part-time evening track is discontinued.

### **Transfer of Nursing Credits Policy**

Holy Family University and the School of Nursing and Allied Health Professions recognize and respect the diverse educational and clinical backgrounds of registered nurses and licensed practical nurses. Nursing credits may be transferred from prior college or hospital-based nursing education programs or validated through individual evaluations.

- Registered nurses who have graduated within the past seven years from an accredited Associate Degree nursing program or a hospital based nursing program are eligible for the direct transfer of 39 nursing credits upon matriculation to Holy Family University. Registered nurses who have gradu=

ated more than seven years ago from an accredited Associate Degree nursing program or hospital-based nursing program are eligible for direct transfer of 39 nursing credits after individual evaluation of professional practice.

### **BSN Requirements**

Core Curriculum: BSN requirements (credits) 45

**Including the successful completion of the following courses with a minimum grade of C:**

- English-ENGL 101 and 102 or ENGL 103 and 104
- Biology-BIOL 206/206L, 207/207L, 208/208L
- Quantification – Core Math requirement
- Natural Science-GSCI-107
- Speech-ENGL 115
- Psychology-PSYC 101 and PSYC 208
- Sociology-SOCO 101

### **Concentration**

#### **Level 100 Courses**

NURS 102	Nursing, Health and the Environment	2
NURS 150	Nutrition in Contemporary Health Care	3
BIOL 110	Nutrition in Contemporary Health Care	3

#### **Level 200 Courses**

NURS 210/210L	Essential Elements of Nursing Practice I	4
NURS 214/214L	Health Assessment for Nursing Practice	3

#### **Level 300 Courses**

NURS 316/316L	Nursing and Older Adult Health	5
NURS 317	Pathophysiologic Processes	3
NURS 318/318L	Nursing and the Childbearing Family	5
NURS 323/323L	Nursing and Child Health	5
NURS 338/338L	Nursing and Middle Adult Health	6
NURS 354	Research in Nursing Practice	3
NURS 358	Pharmacology for Nursing Care	3

#### **Level 400 Courses**

NURS 436/436L	Psychiatric Nursing in the Middle Years	5
NURS 438/438L	Nursing Care and Adolescent/Young Adult Health	6
NURS 440/440L	Nursing and Aggregate-Based Care	5
NURS 445/445L	Nursing Leadership	5

## Other Requirements

**Comprehensive Examination**—The comprehensive examination is scheduled during the student's last semester. Students who are unable to successfully complete the comprehensive examination at the scheduled times are not able to complete program requirements by the expected graduation date (*Volume VIII—A Policy 8.18*).

## Accelerated RN-BSN Track

The accelerated RN-BSN Program at Holy Family University offers courses in five-week sessions that can be taken on a full-time or part-time basis. The focus of the RN-BSN option is to broaden the RN's knowledge, enhance leadership and management skills, and recognize that registered nurses have diversity in clinical and educational experiences. A total of up to 84 credits may be awarded through an individual evaluation of the RN's past and present academic and clinical practice. Automatically, 39 nursing credits of the 84 credits are awarded to the student upon matriculation. A minimum of 45 of the 123 credits required for the degree must be taken at Holy Family University. Registered nurses are required to take only 24 credits in nursing courses. All policies and procedures are listed in the *BSN Student Handbook (Volume VIII of the University Policy Manual)* and the *Division of Extended Learning Accelerated Program Student Handbook*.

## RN-BSN Requirements (Offered Through the Extended Learning Division Only)

Core Curriculum: BSN requirements (credits)	45
Nursing transfer requirements	32

### Concentration

Microbiology*	4
Anatomy and Physiology I*	4
Anatomy and Physiology II*	4
Elementary Statistics	3
General Psychology	3
Human Development (Lifespan)	3
NUR** 352      Family Assessment	3
NUR 354      Research in Nursing Practice	3
NUR 356      Culture and Health Care	3
NUR 450      Contemporary Issues in Health Care Delivery	3
NUR 452      Leadership in Nursing Practice	3
NUR 401/401L      Community Health I: Basis for Practice	3

NUR 402/402L	Community Health II: Planning for Aggregates	3
NUR 404	Nursing Quality and Patient Safety	3

\* Courses not available in accelerated format.

\*\* Accelerated Programs use a three letter descriptor (NUR) instead of a four letter descriptor.

### **Other Requirements**

- Successful completion of comprehensive exam.

### **BSN Program Approval and Accreditation**

Approval from the Department of Education for the Commonwealth of the State Board of Nursing has been maintained since the beginning of the baccalaureate Nursing Program in the early 1970s. The program is accredited by the Commission on Collegiate Nursing Education.

#### **Address:**

Commission on Collegiate Nursing Education  
One Dupont Circle, NW Suite 530  
Washington, DC 20036  
Phone: 202-463-6930

### **Cooperating Hospitals and Agencies:**

Abington Memorial Hospital  
Albert Einstein Medical Center  
Aria Health  
Belmont Center for Comprehensive Treatment  
Bucks County Health Department  
Capital Health System  
Children's Hospital of Philadelphia  
Friends Hospital  
Holy Redeemer Hospital and Medical Center  
Holy Redeemer Home Care and Hospice Services  
Jeanes Hospital  
Lafayette-Redeemer  
Lower Bucks Hospital  
Nazareth Hospital  
Rydal Park Long Term Care  
St. Christopher's Hospital for Children  
Thomas Jefferson University Hospital  
Virtua Health System

# Degree Program in Radiologic Science

Holy Family University recognizes that our current and future students pursuing careers in radiologic science may require additional formal education beyond the associate degree level. Therefore, Holy Family offers both Associate of Science in Radiologic Science (ASRS) and Bachelor of Science in Radiologic Science (BSRS) degree options including General, Computed Tomography (CT), Mammography (M), and Magnetic Resonance (MR) tracks. Non-degree certificate tracks in Computed tomography (CT), Mammography (M), and Magnetic Resonance (MR) are also available.

## ASRS Program (Associate Degree Program)

### Goals

- Develop knowledge and skills necessary to practice in entry-level radiographer positions
- Develop communication skills required for competent clinical practice
- Develop problem-solving and critical thinking skills required for competent clinical practice
- Develop student behaviors that promote professional development and growth
- Educate students to provide health care that meets the needs of diverse populations.

### The Program

The ASRS curriculum sequence is completed in twenty (20) months and is available only on a full-time basis. The curriculum is designed to prepare the student for entry-level practice in diagnostic radiography. The curriculum includes liberal arts courses to fulfill University core requirements, professional concentration and concentration-related courses.

### Admission

The ASRS Program admits students once per year to begin in the Fall semester. After an application has been reviewed by the Admissions Office and found to meet the University's admission and Radiologic Science prerequisite requirements, the application is forwarded to the Radiologic Science Program Office. The Program Chair (or faculty designee) reviews the application. If the application satisfies prerequisite admission requirements, the applicant is offered a personal interview with the ASRS Program Admissions Committee. The Admissions Committee consists of the Radiologic Science Program Chair and faculty. Candidates are notified regarding acceptance decisions after all qualified applicants have been interviewed.

Prerequisite high school-level (or post-secondary equivalent) course requirements for the Radiologic Science Program require a minimum grade of C or (70%) and include:

- Algebra I
  - Algebra II
  - Geometry
  - Biology
  - Chemistry
  - Physics (recommended but not required)
  - Minimum SAT scores of 400 – Critical Reading and 450 – Mathematical reasoning
  - Minimum post secondary GPA of 2.5 is required for admission consideration
1. Applicants must comply with the Program's Technical Standards. (Refer to the *University Policy Manual Vol. VIII-C (Radiologic Science Student Handbook)* found on the University's website <http://www.holyfamily.edu/sn/handbook.shtml>, *Appendix 8C.5: Technical Standards, for additional information*)
  2. Applicants must attend a Radiologic Science Program Information Session, scheduled monthly throughout the academic year. The monthly information session schedule can be found on the University's website - <http://www.holyfamily.edu/sn/radiologic.asp>.
  3. An approved medical terminology course must be successfully completed prior to starting the program (beginning Fall 2011).
  4. Clinical eligibility requirements must be successfully completed prior to beginning the Program (Refer to the *University Policy Manual Vol. VIII-C Radiologic Science Student Handbook* found on the University's website <http://www.holyfamily.edu/sn/vol8c.pdf>, 8C.3.3 *Eligibility for Clinical Placement*).

### **Pre-Radiologic Science Track:**

The Pre-Radiologic Science curriculum track provides a developmental/bridge curriculum for students to enter the Radiologic Science Program.

1. This track provides Associate of Science in Radiologic Science (ASRS) candidates an alternate admission pathway to enter the degree program.
2. Minimum ASRS admission requirements must be satisfied. Matriculation into the ASRS degree program is then granted upon successful completion of 24 university-directed credits completed in two successive semesters (Fall/Spring), achieving a minimum GPA of 2.5\*.
3. Eight courses are included in this track; four completed per semester. The track enables students to maintain full-time enrollment, a qualification for financial aid eligibility.

4. Courses fulfill core requirements in both the ASRS and BSRS degree programs.

*\*A student whose cumulative GPA is below 2.5 at the completion of the Fall semester will have one (1) additional semester to obtain a cumulative GPA of 2.5. Students who do not achieve a cumulative GPA of 2.5 at the completion of the Spring semester forfeit admission to the ASRS Program.*

### **Clinical Education**

Radiologic Science students begin clinical education courses in the Fall semester of the first year. Students must provide evidence of a criminal background check, child abuse clearance and drug screening with negative results. Good health, up-to-date immunizations, CPR certification for health care providers and clinical site orientation are required prior to clinical placement. Students must maintain personal medical insurance throughout the program. Neither the University nor clinical agencies are responsible for payment of care rendered to students in case of illness or injury occurring in the clinical area (*Policy Manual Volume VIII-C, Policy 8 C.3.3*). Students gain experience in all routine radiographic procedures at either a Joint Commission accredited clinical agency, such as the radiology departments of Nazareth Hospital, Aria Health Torresdale Campus and outpatient office, Aria Health Frankford Campus, Jeanes Hospital, St. Mary Medical Center, Holy Redeemer Hospital, Lower Bucks Hospital, and Roxborough Memorial Hospital, and Temple University Hospital – Episcopal Campus and Northeastern Ambulatory Care Center or agencies registered with the Pennsylvania Department of Environmental Protection such as MobilexUSA\* and American Open MRI and CT Center. The number of clinical days per week varies by clinical course. Students can expect to spend eight hours per day in each clinical assignment. A minimum of one two-week evening (11:00 a.m.-7:00 p.m.) or early morning (7:15 am – 3:15 pm) clinical assignment per semester may be scheduled at some clinical agencies. Clinical education is competency-based. Supervised practice in laboratory simulations, and critical observation in the clinical environment by approved clinical preceptors, prepares the student to be evaluated and graded on the delivery of patient care and completion of radiographic procedures. Successful completion of clinical courses demands developing the precise skills required of the professional in practice (*Policy Manual Volume VIII-C, Policy 8 C.3*). An early release option from clinical education assignments is not supported.

*\*Times may vary from those normally scheduled.*

## Continuation in Program

Continued enrollment requires students to achieve a minimum:

- Grade of C in all radiologic science courses
- Concentration GPA of 2.5
- Cumulative GPA of 2.5\*

*\*(See University Policy Manual Volume VIII-C, Policy 8 C.2.3 for additional details.)*

## Graduation from Program

Graduation requirements needed to fulfill the ASRS degree include:

- Earn a minimum grade of C in all radiologic science courses
- Complete all ARRT competency examination requirements
- Satisfy concentration and cumulative 2.5 GPA requirement and
- Pass the comprehensive examination (See Policy Manual *Volume VIII-C, Policy 8C.1.3*).

## Program Readmission

Readmission to the ASRS Programs depends upon didactic and clinical space availability. Readmission is only permitted for a student who voluntarily withdraws in good academic standing. A student seeking readmission must submit a written request to the Program Director and be able to complete the program within 32 months from the time she/he initially began the program. Readmission after 12 months will require reapplication and requires the student to repeat previously completed radiologic science courses (*Policy Manual Vol. VIII-C, Policy 8C.2.5*).

## Transfer Policy

The ASRS Program does not admit students transferring from other radiologic science programs.

## RT to ASRS Policy

The ASRS degree is awarded to a Radiologic Technologist certified by the American Registry of Radiologic Technologists (ARRT) in Radiography (or equivalent) and in compliance with continuing education (CE) requirements as follows:

1. The University awards 44-semester hour credits for course content mastered through successful completion of an accredited radiography curriculum and attainment of ARRT certification.
2. The University accepts ARRT certification in Radiography as validation of entry-level knowledge.

The following requirements will apply to all RT to ASRS students:

1. Academic credit awarded for ARRT certification (in Radiography) will be posted to the student's transcript at the time of matriculation.
2. The student must submit a current copy of her/his ARRT certification card indicating compliance with (CE) requirements.
3. All RT to ASRS students must complete a minimum of 28 Holy Family University credits and fulfill all ASRS degree requirements, including core and concentration-related credits.
4. Continued progression requires cumulative and concentration GPAs of 2.5\*.

*\*(See University Policy Manual Volume VIII-C, Policy 8C.2.3 for additional details.)*

Transfer credit will be evaluated upon admission to the University and concentration course credits are approved by the Dean, School of Nursing and the Director of Allied Health Professions and Radiologic Science.

# ASRS Program (Associate Degree Program)

## Requirements

Core Curriculum: ASRS Requirements (credits)	21
Freshman Writing/Speech/Reading (ENGL 101, 102, 115)	9
Knowledge of God	3
Knowledge of Mathematics	3
Knowledge of Natural Science (GSCI 104, 105, 106 or 107*)	6

*\*Students may select one course from any core area of study (student's choice) to replace the second Natural Science course.*

## Concentration

RADS 102	Patient Care in Radiologic Science	2
RADS 104/104L	Radiographic Imaging I	3
RADS 106/106L	Radiographic Procedures I	3
RADS 108/108L	Radiographic Procedures II	3
RADS 114/114L	Radiographic Procedures III	3
RADS 120	Clinical Education I	1
RADS 122	Clinical Education II	1
RADS 200	Clinical Education III	2
RADS 204/204L	Radiographic Imaging II	3
RADS 205	Sophomore Seminar	3
RADS 206	Advanced Imaging I	3
RADS 207	Introduction to Computed Tomography	1
RADS 215	Imaging Physics I: X-ray Physics	3
RADS 216	Image Evaluation: Radiographs	3
RADS 217	Radiographic Pathology	3
RADS 218	Radiation Health Physics	3
RADS 222	Clinical Education IV	2
RADS 232	Clinical Education V	2

## Concentration-Related

BIOL 207/207L	Anatomy/Physiology I	4
BIOL 208/208L	Anatomy/Physiology II	4
Total credits for the ASRS degree		73

## Other Requirements

- Successful completion of a comprehensive examination.

# BSRS (Bachelor Degree Program)

## Goals

- Provide a curriculum for post-primary practice in radiologic science,
- Develop critical thinking and problem-solving skills necessary for independent and supervisory functions in radiologic science, and
- Develop student behaviors that promote continual professional development and growth.

## The Program

The BSRS program is available on a full-time or part-time basis. The curriculum offers flexible scheduling to accommodate working radiologic science professionals in furthering their education. The 121 or 124-credit undergraduate degree programs build upon entry-level foundations, creating a bridge to advanced clinical practice and/or leadership.

## Transfer Credit Evaluation

The University awards 44 semester hour credits for course content mastered through successful completion of an accredited radiography curriculum and attainment of ARRT certification. The University accepts ARRT certification in radiography as validation of entry-level knowledge. Transfer credit of core course credit is evaluated by the Academic Advising Center and approved by the Dean, School of Nursing and Allied Health Professions and Radiologic Science Program Chair.

## Requirements

1. Current certification by American Registry of Radiologic Technologists and compliance with (CE) credit.
2. Satisfy Holy Family ASRS curriculum to include the following courses: (2) core Writing, (2) core Natural Science (or (1) core Natural Science and (1) core elective), (1) core Speech, (1) core Mathematics, (1) core Knowledge of God, and BIOL 207, 207L, BIOL 208, 208L (29 credits).
3. Satisfy remaining 24 core curriculum credits.
4. Completion of specific BSRS concentration (and related) credits.
5. Complete a minimum of 45 Holy Family University credits.

## Continuation in Program

Continued enrollment in the program requires students to achieve a minimum:

- Grade of C in all radiologic science courses
- Concentration GPA of 2.5
- Cumulative GPA of 2.5\*

\*See *University Policy Manual Volume VIII-C, Policy 8 C.2.3* for additional details.

**Core Curriculum**

BSRS Requirements (credits)	45
Freshman Writing/Speech/Reading (ENGL 101, 102, 115)	9
Knowledge of God	6
Knowledge of Mathematics (Core quantitative course determined by placement)	3
Knowledge of Natural Science (GSCI 104, 105, or 106)*	6
Knowledge of the Human Quest	6
Knowledge of Global Perspectives (six from foreign language)	9
Knowledge of the National Experience	6

*\*Students may select one course from any core area of study (student's choice) to replace the second Natural Science course.*

**General BSRS****Concentration**

ASRS courses	44
RADS Electives (2)	6
RADS 404     Quality Management	3
RADS 405     Advanced Radiation Health Physics	3
RADS 450     Contemporary Issues in Radiologic Technology	3

**Concentration-related (9)**

SOCO 310     Medical Sociology	3
RELS 405     Life and Death: Christian Decision-Making	3
<b>or</b>	
PHIL 205     Bioethics	3
MATH 130     Elementary Statistics	3
<b>or</b>	
PSYC 311     Statistics for Social and Behavioral Sciences	3
Total credits for the BSRS degree	121

**Computed Tomography BSRS**

ASRS courses	44
RADS 401     Sectional Anatomy in Medical Imaging	3
RADS 402     Procedures and Principles of Computed Tomography	3
RADS 405     Advanced Radiation Health Physics	3
RADS 412     Physics Applications in Computed Tomography	3
RADS 415     Medical Imaging Pathology	3

RADS 424	Clinical Education in Computed Tomography I (CT)	3
RADS 434	Clinical Education in Computed Tomography II	3
RADS 450	Contemporary Issues in Radiologic Science	3
Total Credits for the BSRS degree		121

### **Magnetic Resonance BSRS**

ASRS courses		44
RADS 407	Magnetic Resonance Imaging Procedures	3
RADS 414	Magnetic Resonance Imaging Pathology	3
RADS 401	Sectional Anatomy in Medical Imaging	3
RADS 415	Medical Imaging Pathology	3
RADS 417	Magnetic Resonance Safety & Applications	3
RADS 427	Clinical Education in Magnetic Resonance Imaging	3
RADS 437	Clinical Education in Magnetic Resonance (MR) II	3
RADS 450	Contemporary Issues in Radiologic Technology	3
Total Credits for the BSRS degree		124

### **Mammography BSRS**

ASRS courses		44
RADS 401	Sectional Anatomy in Medical Imaging	3
RADS 403	Concepts of Breast Imaging	3
RADS 405	Advanced Radiation Health Physics	3
RADS 406	Mammography Imaging Principles	3
RADS 413	Mammography QA Regulatory Issues	3
RADS 415	Medical Imaging Pathology	3
RADS 416	Clinical Education in Mammography I	3
RADS 436	Clinical Education in Mammography II	3
RADS 450	Contemporary Issues in Radiologic Science	3
Total Credits for the BSRS degree		124

### **Other Requirements**

- All Radiologic Science courses require a minimum grade of C
- To continue progression cumulative and concentration GPAs of 2.5 must be maintained.
- Pass a comprehensive examination or comprehensive examination project.

### **Post-primary Certificate Tracks**

The Post-Primary Certificate program offers didactic and clinical courses in the areas of Mammography (M), Computed Tomography (CT) and Magnetic

Resonance (MR). The tracks are available part-time. Course schedules accommodate working radiologic science professionals. All tracks includes didactic and clinical education courses.

### Requirements

1. Current certification by the American Registry of Radiologic Technologists (ARRT).
2. Compliance with ARRT continuing education requirement.

### Mammography (MR)

Mammography certificate		15
RADS 403	Concepts of Breast Imaging	3
RADS 406	Mammography Imaging Principles	3
RADS 413	Mammography QA Regulatory Issues	3
RADS 416	Clinical Education in Mammography I	3
RADS 436	Clinical Education in Mammography II	3

### Computed Tomography (CT)

Computed Tomography certificate		15
RADS 401	Sectional Anatomy in Medical Imaging	3
RADS 402	Procedures and Principles of Computed Tomography	3
RADS 412	Physics Applications in Computed Tomography	3
RADS 424	Clinical Education in Computed Tomography (CT) I	3
RADS 434	Clinical Education in Computed Tomography II	3

### Magnetic Resonance

Magnetic Resonance certificate		15
RADS 401	Sectional Anatomy in Medical Imaging	3
RADS 407	MR Imaging Procedures	3
RADS 414	MR Imaging Physics	3
RADS 417	MR Safety and Applications	3
RADS 427	Clinical Education in Magnetic Resonance Imaging I	3
RADS 437	Clinical Education in Magnetic Resonance II	3

# Designators Used to Identify Courses

<b>ACCT</b>	Accounting	<b>FREN</b>	French
<b>ANTH</b>	Anthropology	<b>GEOG</b>	Geography
<b>ARTS</b>	Art	<b>GERM</b>	German
<b>BIOL</b>	Biology	<b>GSCI</b>	General Science
<b>BUSA</b>	Business Administration	<b>HIST</b>	History
<b>BUSI</b>	International Business	<b>ITAL</b>	Italian
<b>CHEM</b>	Chemistry	<b>MAND</b>	Mandarin
<b>CMIS</b>	Computer Management Information Systems	<b>MATH</b>	Mathematics
<b>COMM</b>	Communications	<b>MEDT</b>	Medical Technology
<b>CRJU</b>	Criminal Justice	<b>MNMK</b>	Management-Marketing
<b>EDEC</b>	Early Childhood Educa- tion	<b>MUSC</b>	Music
<b>EASC</b>	Earth Science	<b>NURS</b>	Nursing
<b>ECON</b>	Economics	<b>PHIL</b>	Philosophy
<b>EDSP</b>	Special Education	<b>PHYS</b>	Physics
<b>EDUC</b>	Education	<b>PLSH</b>	Polish
<b>EDUN</b>	Education	<b>POLS</b>	Political Science
<b>EDUS</b>	Secondary Education	<b>PSYC</b>	Psychology
<b>ENGL</b>	English	<b>RADS</b>	Radiologic Science
<b>FEXP</b>	First Year College Success	<b>RELS</b>	Religious Studies
<b>FINC</b>	Finance	<b>SOCO</b>	Sociology
<b>FSPS</b>	Fire Science and Public Safety Administration	<b>SPAN</b>	Spanish
		<b>SPMM</b>	Sport Marketing- Management
		<b>THEA</b>	Theater