College of Health, Science and Technology

MEDICAL IMAGING

Bloomsburg LOCK HAVEN MANSFIELD
COMMONWEALTH UNIVERSITY

Bachelor of Science (BS)

This degree map is based on the current Academic Catalog and is subject to change. Please note that the degree map is designed to give you a sense of roughly how courses might be distributed over a 4-year degree. Your exact schedule will differ depending on a range of factors though we recommend taking a minimum of 15 credits each fall and spring semester. Regular consultation with your academic advisor is the best way to make sure that you are taking the courses you need in the right order to ensure efficient progress through your degree program.

Sample 4-Year Plan

First Year			
Fall Courses	**Credits**	**Spring Courses**	**Credits**
EXER171: Introduction to Medical Imaging	3	EXER172: Patient Care and Management	3
HLSC115/BIOL180: Human Anatomy & Physiology 1	4	HLSC120/BIOL181: Human Anatomy & Physiology 2	4
FYS100: First Year Seminar	3	MATH120: Math for the Health Sciences	3
WRIT103: Foundations in Composition	3	General Education	6
General Education	3		
Semester Total	16	Semester Total	16

Second Year			
Fall Courses	**Credits**	**Spring Courses**	**Credits**
PSYC100: Introduction to Psychology	3	EXER262: First Aid and Safety	3
COMM101: Public Speaking OR COMM102: Interpersonal Communication	3	ITAN175: Spreadsheet Analysis	3
PHYS205: Applied Physics for the Health Sciences	4	PHIL205: Medical Ethics	3
General Education	3	General Education	6
Semester Total	13	Semester Total	15

Third Year			
Fall Courses	**Credits**	**Spring Courses**	**Credits**
Clinical rotations or extra coursework from elective list depending on length of specialty modality and/or clinical placement site.	15	Clinical rotations or extra coursework from elective list depending on length of specialty modality and/or clinical placement site.	15
Students who enter clinical programs that are shorter than two years (60 cr) are required to take 15 credits from the elective list.		Students who enter clinical programs that are shorter than two years (60 cr) are required to take 15 credits from the elective list.	
Semester Total	15	Semester Total	15

Fourth Year			
Fall Courses	**Credits**	**Spring Courses**	**Credits**
Clinical Rotations	15	Clinical Rotations	15
Semester Total	15	Semester Total	15

Winter/Summer College - Optional

While not required, Winter and Summer sessions are offered each year and may help you stay on track or get ahead. You may take up to seven (7) credits during Winter College and up to 14 credits during Summer College.

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Curriculum Checklist

Core Requirements (13 credits)

___ EXER171 Introduction to Medical Imaging (3)
___ EXER172 Patient Care and Management (3)
___ HLSC120/BIOL181 Human Anatomy & Physiology 2 (4)
___ PSYC100 Introduction to Psychology (3)

Medical Imaging Electives (Credits vary based on clinical site)
Students who enter clinical programs shorter than two years (60 cr) are required to take courses from the elective list so that the total number of credits with the elective courses and clinical experience equal 60 credits.

___ BIOL110 Principles of Biology 1 (4)
___ CHEM116 Physiological Chemistry 1 (4)
___ EXER161 Introduction to Health and Exercise Science (3)
___ EXER255 Functional Anatomy (3)
___ EXER282 Care and Prevention of Athletic Injuries (3)
___ EXER285 Exercise and Mental Health (3)
___ EXER287 Intro to Coaching (3)
___ EXER298 Internship in Medical Imaging (3)
___ EXER351 Biomechanics (3)*
___ EXER360 Sport Nutrition (3)*
___ EXER378 Exercise Physiology (3)*
___ EXER380 Research Methods in Health and Exercise Science (3)*
___ EXER397 Exercise and Aging (3)*
___ EXER411 ECG, Exercise Testing, and Cardiac Rehabilitation (3)*
___ EXER493 Independent Study (3)*
___ HLSC108/BIOL108 Medical Terminology for Health Science (3)
___ HLSC140 Introduction to Public Health (3)
___ HLSC200 Introduction to Disease (3)*
___ HLSC212 Introduction to Global Health Promotion (3)
___ HLSC335 Community-Level Health Methods and Strategies (3)*
___ NUTR200 Introduction to Nutrition (3)

Clinical Experience (30 – 60 credits)*
___ _____(30/60)

General Education Requirements (45 credits minimum)

Note: Some requirements may be fulfilled by coursework in your major program including directed Gen Ed courses noted below

- Foundations (15 credits)
  - Oral Communication: COMM101 Public Speaking or COMM102 Interpersonal Communication (3)
  - Quantitative: MATH120 Math for Health Sciences (3)
  - Writing: WRIT103 Foundations in Composition (3)
- Interconnections (9 credits)
- Citizenship & Responsibility
  (6 credits from at least two goals)
  - PHIL205 Medical Ethics (3)
- Natural World & Technologies (9 credits)
  - HLSC115/BIO180: Human Anatomy & Physiology 1 (4)
  - ITAN175: Spreadsheet Analysis (3)
  - PHYS205: Applied Physics for the Health Sciences (4)
- Creativity & Expression (6 credits)

Degree Requirements

All students must obtain a minimum of 120 credits (A minimum of 42 credits must be advanced course work), complete all General Education requirements, and all requirements for the selected major. Meet with your advisor and consult Degree Works to monitor your progress and for all graduation requirements.

A minimum GPA of 2.0 in the major and overall are required.

*Denotes advanced coursework
Students must take a minimum of 42 credits of advanced coursework. Advanced coursework can be met in major courses, minor courses, free elective courses, and general education courses. Courses that meet this requirement are designated in Banner.