



Bucks County Community College
Jefferson Prerequisite Course Equivalency Guide
Undergraduate Degree Programs, Center City Campus

Medical Imaging and Radiation Sciences Department, BS Programs in:

- Radiation Therapy
- Computed Tomography
- Radiography
- Cardiac Sonography
- Magnetic Resonance Imaging
- ICVT
- Abdomen- Extended OB/GYN Sonography
- Vascular Sonography

Prerequisite Course Requirement	Semester Credits	Course(s) Equivalent
Anatomy & Physiology I with lab	4	BIOL 181
Anatomy & Physiology II with lab	4	BIOL 182
Physics I with lab	4	PHYS 106 or PHYS 121
Physics II with lab	4	PHYS 107 or PHYS 122
Chemistry I with lab	4	CHEM 121
Pre-Calculus	3	MATH 125
Statistics	3	MATH 115 or PSYC 215
Medical Terminology*	3	MEDA 120
English Composition	3	COMP 110
English Elective	3	COMP 111 or higher
Electives (Any theory based courses within the arts, humanities, math, natural or social sciences)	15	Any theory based courses within the arts, humanities, math, natural or social sciences
<i>Total Credits</i>	<i>50</i>	

*1 or 2 credit medical terminology courses are accepted. The remaining 2 or 1 credits will need to be fulfilled with elective credits to ensure you have a total of 50 semester credits.

Medical Imaging and Radiation Sciences Department, BS Program in:
Medical Dosimetry

Prerequisite Course Requirement	Semester Credits	Course(s) Equivalent
Anatomy & Physiology I with lab	4	BIOL 181
Anatomy & Physiology II with lab	4	BIOL 182
Physics I with lab	4	PHYS 106 or PHYS 121
Physics II with lab	4	PHYS 107 or PHYS 122
Chemistry I with lab	4	CHEM 121
Biology I with lab	4	BIOL 101 or BIOL 121

Pre-Calculus	3	MATH 125
Statistics	3	MATH 115 or PSYC 215
Medical Terminology*	3	MEDA 120
English Composition	3	COMP 110
English Elective	3	COMP 111 or higher
Electives (Any theory based courses within the arts, humanities, math, natural or social sciences)	11	Any theory based courses within the arts, humanities, math, natural or social sciences
Total Credits	50	

*1 or 2 credit medical terminology courses are accepted. The remaining 2 or 1 credits will need to be fulfilled with elective credits to ensure you have a total of 50 semester credits.

Medical Laboratory Sciences and Biotechnology Department: BS 1 year, 2 year & Combined BS/MS Programs:

- Biotechnology
- Cytotechnology & Cell Sciences
- Medical Laboratory Science

Prerequisite Course Requirement	Semester Credits	Course(s) Equivalent
Biology I with lab	4	BIOL 121
Biology II with lab	4	BIOL 122
Chemistry I with lab	4	CHEM 101 or CHEM 121
Chemistry II with lab	4	CHEM 102 or CHEM 122
Organic Chemistry with lab <i>Required for Biotechnology and Cytotechnology & Cell Sciences Only</i>	4	CHEM 221
Anatomy & Physiology I with lab <i>Required for Medical Laboratory Sciences and Cytotechnology & Cell Sciences only</i>	4	BIOL 181
Anatomy & Physiology II with lab <i>Required for Medical Laboratory Sciences and Cytotechnology & Cell Sciences only</i>	4	BIOL 182
Physical Life Sciences with lab (Molecular Biology, Cell Biology or Genetics) <i>Required for Biotechnology only</i>	8	Course not available at BCCC
Other Science with lab: Organic Chemistry, Microbiology, or Analytical Chemistry <i>Required for Medical Laboratory Sciences only</i>	4	CHEM 221 or BIOL 228
Statistics	3	MATH 115 or PSYC 215
English or Writing Intensive	6	COMP 110 & COMP 111
General/Free Electives	33: 1 year 18: 2 year	theory-based coursework in Arts, Humanities, Social Sciences,

(theory-based coursework in Arts, Humanities, Social Sciences, Foreign Languages, Science, Business, Math and History)	45: BSMS	Foreign Languages, Science, Business, Math and History
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BS in Respiratory Therapy: Entry Into Practice

Prerequisite Course Requirement	Semester Credit Requirement	Course(s) Equivalent
Chemistry I with lab	4	CHEM 101 or CHEM 121
Anatomy & Physiology I with lab	4	BIOL 181
Anatomy & Physiology II with lab	4	BIOL 182
Microbiology with lab*	4	BIOL 228
Other Sciences w/ Lab*: Physics (strongly recommended but not required), Biology, Organic Chemistry, or upper-level biology or chemistry courses	8	PHYS 106 or PHYS 121, BIOL 121, or CHEM 221
Mathematics (Algebra, Pre-calculus, Calculus)	3	MATH 120, 122, 125, or 140
Statistics	3	MATH 115 or PSYC 215
English or Writing Intensive	6	COMP 110 & COMP 111
Humanities: Philosophy, English, History, Art, Language	6	
Ethics	3	PHIL 111 or MEDA 205
Introduction to Psychology	3	PSYC 110
Social Science: Anthropology, economics, political science, sociology	3	
Medical Terminology	3	MEDA 120
General/Free Electives**	6	

** Acceptable elective courses are theory-based—not performance-based—coursework. We will not accept coursework that is remedial or review in nature, or courses taken as Pass/Fail.

Nursing: Accelerated BSN Plus (ABSN+) - 1 & 2 Year Pathways

Prerequisite Course Requirement	Semester Credits	Course(s) Equivalent
Anatomy & Physiology I with lab	4	BIOL 181
Anatomy & Physiology II with lab	4	BIOL 182
Microbiology with lab	4	BIOL 228
Chemistry I with lab	4	CHEM 101 or CHEM 121
Statistics	3	MATH 115 or PSYC 215

Nutrition	3	HLTH 120 or HLTH 120N
Electives (Any 3 or 4 credit theory based courses within the arts, humanities, math, natural or social sciences)	38	Any 3 or 4 credit theory based courses within the arts, humanities, math, natural or social sciences
<i>Total Credits</i>	<i>60</i>	

Nursing: Traditional BSN

Prerequisite Course Requirement	Semester Credits	Course(s) Equivalent
Anatomy & Physiology I with lab	4	BIOL 181
Anatomy & Physiology II with lab	4	BIOL 182
Microbiology with lab	4	BIOL 228
Chemistry I with lab	4	CHEM 101 or CHEM 121
Math (College Algebra or higher)	3	MATH 120, 122, 125, or 140
Statistics	3	MATH 115 or PSYC 215
Nutrition	3	HLTH 120 or HLTH 120N
English Composition	3	COMP 110
English Elective	3	COMP 111 or higher
General Psychology	3	PSYC 110
Developmental or Child Psychology	3	PSYC 180 or 181
Abnormal Psychology	3	PSYC 280
Sociology	3	SOCI 110
Ethics	3	PHIL 111 or MEDA 205
Medical Terminology*, Logic, Philosophy, Ethics, Critical Thinking or Foreign Language	3	logic, philosophy, ethics, critical thinking, diversity
Electives (Any 3 or 4 credit theory based courses within the arts, humanities, math, natural or social sciences)	6	Any 3 or 4 credit theory based courses within the arts, humanities, math, natural or social sciences
<i>Total Credits</i>	<i>55</i>	

*1 or 2 credit medical terminology courses are accepted. The remaining 2 or 1 credits will need to be fulfilled with elective credits to ensure you have a total of 50 semester credits.