

## Prerequisite Course Equivalency Guide/Center City Campus Bucks County Community College

### Medical Imaging and Radiation Sciences Department, BS Programs in:

- Radiation Therapy                      -Magnetic Resonance Imaging                      -ICVT
- Computed Tomography                      -Radiography                      -General Sonography
- Cardiac 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 101 or 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 101 or 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   |

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| 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 |
| <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 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 121   |
| Chemistry II with lab  | 4                                    | CHEM 122   |
| Organic Chemistry with lab<br><i>Required for Biotechnology and Cytotechnology &amp; Cell Sciences Only</i>                                      | 4                                    | CHEM 221   |
| Anatomy & Physiology I with lab<br><i>Required for Medical Laboratory Sciences and Cytotechnology &amp; Cell Sciences only</i>                   | 4                                    | BIOL 181   |
| Anatomy & Physiology II with lab<br><i>Required for Medical Laboratory Sciences and Cytotechnology &amp; Cell Sciences only</i>                  | 4                                    | BIOL 182   |
| Physical Life Sciences with lab<br>(Molecular Biology, Cell Biology or Genetics)<br><i>Required for Biotechnology only</i>                       | 8                                    | Course not available at BCCC   |
| Other Science with lab:<br>Organic Chemistry, Microbiology, or Analytical Chemistry<br><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<br>(theory-based coursework in Arts, Humanities, Social Sciences, Foreign Languages, Science, Business, Math and History) | 33: 1 year<br>18: 2 year<br>45: BSMS | theory-based coursework in Arts, Humanities, Social Sciences, Foreign Languages, Science, Business, Math and History |

### Nursing: FACT-1 Year & FACT-2 Year (second degree seekers), 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   |
| Statistics  | 3                | MATH 115 or PSYC 215   |
| Nutrition   | 3                | HLTH 120 or HLTH 120N  |
| Electives<br>(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<br>(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   |
| Selective<br>(logic, philosophy, ethics, critical thinking, diversity or language course)                           | 3                | logic, philosophy, ethics, critical thinking, diversity or language course                           |
| Electives<br>(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 |

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|----------------------|----|
| <i>Total Credits</i> | 55 |
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