

## Montgomery County Community College Course Equivalency Guide

### Bioscience Technologies (Biotechnology, Cytotechnology, Medical Technology)

Prerequisite Requirements -(Must earn a 'C' or better in all transferable coursework)	2+2 BS Program	3+1 BS Program	3+2 Entry-Level BS/MS Program	Accelerated Professional MS Program
Biological or Chemical Sciences	16	16	20	20
Organic Chemistry – <b>CHE261</b>	4	4	4	4
College Algebra, Trigonometry, Precalculus, Calculus or Statistics – <b>MAT170, MAT161, MAT190 or MAT131</b>	3	3	3	3
English – <b>ENG101 &amp; ENG102 (or higher)</b>	6	6	6	6
Electives	26	41	49	N/A
<b>Total</b>	<b>55</b>	<b>70</b>	<b>82</b>	<b>33</b>

### Nursing – Prelicensure BSN

Prerequisite Requirements -(Must earn a 'C' or better in all transferable coursework)	Credits
Anatomy & Physiology – <b>BIO131 &amp; BIO132</b>	8
Microbiology – <b>BIO141</b>	4
General Chemistry I – <b>CHE121 or CHE151</b>	4
General Chemistry II or Biochemistry <b>CHE122 or CHE152</b>	4
Mathematics (college algebra or higher) – <b>MAT170, MAT161 or MAT190</b>	3
Statistics – <b>MAT131</b>	3
English Composition – <b>ENG101</b>	3
English Elective – <b>ENG102 (or higher)</b>	3
Psychology, General – <b>PSY101</b>	3
Psychology, Developmental (or child) – <b>PSY206 or PSY200</b>	3
Psychology, Abnormal – <b>PSY215</b>	3
Sociology – <b>SOC101 (or higher)</b>	3
Nutrition – <b>PEH206</b>	3
Selective (logic, philosophy, ethics, critical thinking,	6

diversity, ethnicity)	
Electives	6
<b>Total</b>	<b>59</b>

### Nursing – FACT & Accelerated Pathway to the MSN for 2<sup>nd</sup> Degree Non-Nurses

Prerequisite Requirements -(Must earn a 'C' or better in all transferable coursework)	Credits
Anatomy & Physiology – <b>BIO131 &amp; BIO132</b>	8
Microbiology – <b>BIO141</b>	4
General Chemistry – <b>CHE121 or CHE151</b>	8
Statistics – <b>MAT131</b>	3
Nutrition – <b>PEH206</b>	3
Baccalaureate degree	39
<b>Total</b>	<b>65</b>

### Nursing – RN-BSN, RN-BSN/MSN & Accelerated Pathway to the MSN for 2<sup>nd</sup> Degree RNs

Prerequisite Requirements - (Must earn a 'C' or better in all transferable coursework)	RN-BSN & RN-BSN/MSN credits	Accelerated Pathway for RNs credits
Natural Sciences (Anatomy & Physiology and Microbiology)- <b>BIO131, BIO132, BIO141</b>	12	12
Statistics – <b>MAT131</b>	3	3
English – <b>ENG101 &amp; ENG102 (or higher)</b>	6	N/A
Social Sciences (psychology and sociology) – <b>SOC101 OR PSY101 (or higher)</b>	9	N/A
Selective (logic, philosophy, ethics or critical thinking)	3	N/A
Electives	27	52
<b>Total</b>	<b>60</b>	<b>67</b>

### Occupational Therapy

Prerequisite Requirements - Combined BS/MSOT in Occupational Therapy (Must earn a 'C' or better	Combined BS/MS Credits	Entry-level Master's
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in all transferable coursework)		credits
<b>Human Life Sciences (including lab) *</b> Anatomy & Physiology I - <b>BIO131</b> Anatomy & Physiology II - <b>BIO132</b>	4 4	
<b>Psychology</b> Developmental or Lifespan (not one specific age level) – <b>PSY206</b> Abnormal – <b>PSY215</b>	3 3	
<b>Social Sciences</b> Sociology – <b>SOC101 (or higher)</b> Cultural and/or ethnic diversity course	3 3	
<b>English</b> Composition (strongly recommended) – <b>ENG101</b> English elective – <b>ENG102 (or higher)</b>	3 3	
<b>Mathematics</b> Statistics – <b>MAT131</b>	3	
<b>Electives</b> Humanities, Arts, Math, Social, or Natural Sciences	26	
<b>Total</b>	<b>55</b>	
*Strongly recommend Anatomy & Physiology. Other acceptable science courses include Kinesiology and Exercise Physiology		

## Pharmacy

Prerequisite Requirements -(Must earn a 'C' or better in all transferable coursework)	Credits
Anatomy & Physiology – <b>BIO131 &amp; BIO132</b>	8
Biology – <b>BIO151 &amp; BIO152</b>	8
General Chemistry – <b>CHE151 &amp; CHE152</b>	8
Calculus – <b>MAT190</b>	3
Organic Chemistry – <b>CHE261</b>	8
Physics (at least algebra-based) – <b>PHY121 &amp; PHY122</b> or <b>PHY151 &amp; PHY152</b>	8
Microbiology – <b>BIO141</b>	4
English composition – <b>ENG101</b>	3
Social Sciences	9
Humanities – <b>languages, arts, literature, history, philosophy</b>	9
<b>Total</b>	<b>68</b>

## Physical Therapy

Prerequisite Requirements - (Must earn a 'C' or better in all transferable coursework)	Credits
Anatomy & Physiology – <b>BIO131 &amp; BIO132</b>	8
Biology – <b>BIO151 &amp; BIO152</b>	8
Chemistry – <b>CHE151 &amp; CHE152</b>	8
Physics- <b>PHYS121 &amp; PHY122 or PHYS151 &amp; PHYS152</b>	8
Statistics – <b>MAT131</b>	3
Mathematics (College algebra/trigonometry, pre-calculus, or calculus) – <b>MAT170, MAT161, or MAT190</b>	3
Humanities (including 3 credits of composition/writing and preferably Ethics or Philosophy) – <b>ENG101, PHI 100 (or higher)</b>	9
Social Sciences (includes 6 credits of Psychology, abnormal and developmental preferred) – <b>PSY101, PSY215 or PSY206</b>	9
Nutrition/Health Wellness – <b>PEH206</b>	3
<b>Total</b>	<b>59</b>

## Radiologic Sciences

Prerequisite Requirements - (Must earn a 'C' or better in all transferable coursework)	Medical Dosimetry Credits	Nuclear Medicine Credits	All other RS Programs Credits
Anatomy & Physiology – <b>BIO131 &amp; BIO132</b>	8	8	8
College Physics <b>PHYS121 or PHYS151</b>	8	4	4
College Chemistry – <b>CHE151 &amp; CHE152</b>	N/A	8	N/A
College Algebra, Trigonometry, Precalculus, or Calculus – <b>MAT170, MAT161 or MAT190</b>	6	3	3
English Electives – <b>ENG101</b>	6	6	6
Medical Terminology – <b>HCP224</b>	3	3	3
Electives (Arts, humanities, social sciences, etc.)	19	18	26
<b>Total</b>	<b>50</b>	<b>50</b>	<b>50</b>

