



## Biomedical Sciences Program Agreement

Western Michigan University  
Bachelor of Science in Biomedical Sciences, BS

Kellogg Community College  
Associate in Science Degree, AS

Catalog Year 2023 - 2024

I. KCC COURSES for GENERAL EDUCATION/Michigan Transfer Agreement (MTA) (30 credits minimum)		
See attached KCC MTA guide for specific courses from KCC that will fulfill the MTA requirements		
KCC Course	WMU WES Equivalent	Transfer Credit Hours
English Composition – ENGL 151, or ENGL 151H & COMM 110	ENGL 1050 & COM 1000	6
Humanities – 1 course from: ART 210, ART 211, ART 212, ART 213, ART 214, HUMA 151, LITE 105, MUSI 211, SERV 200, THEA 121 and 1 course from a different subject: ART 210, ART 211, ART 212, ART 213, ART 214 HUMA 151, LITE 105, LITE 205, LITE 206, LITE 211, LITE 212, LITE 213, LITE 223, LITE 230, LITE 285, MUSI 130, MUSI 141, MUSI 211, MUSI 240, MUSI 250, PHIL 230, PHIL 240, SERV 200, THEA 121	Varies	6
MATH 141	MATH 1220	5
Science – BIOL 110, CHEM 110	BIOS 1610, CHEM 1100/1110	8
Social Sciences –1 course from: HIST 103/103H, HIST 104/104H, HIST 151, HIST 151H, HIST 201, HIST 202, PHIL 202, POSC 201/201H, POSC 211, PSYC 290 or SOCI 201/201H and 1 course from a different subject: ANTH 200, ECON 201, ECON 202, HIST 103/103H, HIST 104/104H, HIST 151/151H, HIST 152/152H, HIST 201, HIST 202, HIST 211, HIST 212, HIST 240, HIST 250, HIST 260, PHIL 201/201H, PHIL 202, POSC 201/201H, POSC 202, POSC 210, POSC 211, PSYC 201/201H, PSYC 220, PSYC 250, PSYC 290, SOCI 201/201H, SOCI 202, SOCI 205, SOCI 206	Varies	6
TOTAL CREDIT HOURS		31 CREDIT HOURS AT KCC

II. KCC required COURSES for PROGRAM - ( 32 credits)		
KCC Course	WMU Equivalent	Transfer Credit Hours
Program Prerequisites		
FYS 101	FYE	1
BIOL 109	BIOS 1620	4
BIOL 202	BIOS 2400	4
CHEM 111	CHEM 1120/1130	4
CHEM 201	CHEM 3750/3780	4

CHEM 202	CHEM 3770/3780	4
MATH 130	STAT 3660	3
PHYS 111	PHYS 1130/1140	4
PHYS 112	PHYS 1150/1160	4
<b>TOTAL CREDIT HOURS</b>	<b>32 CREDIT HOURS AT KCC</b>	

<b>II. WMU COURSES REQUIRED FOR PROGRAM DEGREE (Minimum credits needed 26)</b>		
<b>WMU Course</b>	<b>WMU Course Title</b>	<b>WMU Credit Hours</b>
BIOS 2110	Human Anatomy	4
BIOS 2300 OR BIOS 2600	Cell Biology	3
BIOS 2500	Genetics	4
BIOS 3120	Microbiology	5
BIOS 3500	Human Physiology for Majors	5
<u>Advanced Biological Science Electives</u> (one capstone course required see advisor)	Varies	6
<b>TOTAL CREDIT HOURS</b>	<b>27 CREDIT HOURS AT WMU</b>	

<b>III. WMU COGNATE COURSES REQUIRED FOR PROGRAM DEGREE</b>		
<b>WMU Course</b>	<b>WMU Course Title</b>	<b>WMU Credit Hours</b>
CHOOSE ONLY ONE PATH		
<b>CHEMISTRY PATH (20 Credits)</b>		
CHEM 1100/1110	General Chemistry with Lab	Earned at KCC
CHEM 1120/1130	General Chemistry II with Lab	Earned at KCC
CHEM 3550/3560	Introduction Biochemistry	Earned at KCC
CHEM 3750/3760	Organic Chemistry	Earned at KCC
CHEM 3770/3780	Organic Chemistry II with Lab	Earned at KCC
<b>MATHEMATICS PATH (8 CREDITS)</b>		
MATH 1220 or MATH 2000	Calculus	Earned at KCC
STAT 2600 or STAT 3660	Data Analysis or Data Analysis for Bioscience	4
<b>PHYSICS PATH (8 CREDITS)</b>		
PHYS 1130/1140	General Physics with Lab	Earned at KCC
PHYS 1150/1160	General Physics II with Lab	Earned at KCC
WES Local and National Perspectives		3
WES Global Perspectives		3
Electives to reach 60 credits (see advisor)		
<b>TOTAL CREDIT HOURS</b>	<b>33 CREDIT HOURS AT WMU</b>	

<b>TOTAL CREDITS (I –III)</b>		
63 KCC Credits		
60 WMU Credits		
<b>123 Total Credits</b>		

Minimum credits required for KCC associate degree: 60

Minimum credits required at WMU: 60

Total credits required: 122

† Professional level courses that require acceptance into the WMU program

GP WES level 3 courses satisfying Global Perspective

NP WES level 3 courses satisfying National Perspective

**Advising Notes**

KCC Academic Advisor 269-965-4124 [advising@kellogg.edu](mailto:advising@kellogg.edu)

WMU Academic Advisor 269-387-5617 [megan.r.larson@wmich.edu](mailto:megan.r.larson@wmich.edu)

**Program Agreement**

This agreement shall commence as of April 17, 2023. This program agreement shall abide by all language of the Institutional Agreement between Kellogg Community College and Western Michigan University.

Kellogg Community College is fully accredited by the [Higher Learning Commission](#). Candidates for a degree or certificate from Kellogg Community College must meet specific requirements including the completion of a minimum of sixty (60) credits hours with a cumulative GPA of 2.0 or higher. All degree requirements are listed in the Kellogg Community College Academic Catalog.

All first-time, degree-seeking, KCC students must complete the FYS 101- First-Year Seminar course with a grade of C or higher. Students who obtain an Associate degree or an Associate of Applied Science degree will be required to complete a service-learning experience.

Candidates for a degree or certification from Kellogg Community College must successfully meet the Bruin Standard of General Education which is the combination of academic General Education outcomes and outcomes met through co-curricular experiences.

Students should meet with a KCC Academic Advisor for course planning and questions regarding this agreement.

**Signatures**

**Kellogg Community College**

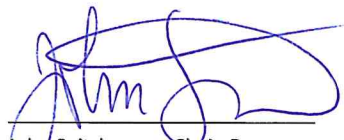


Dr. Michael Goldin, Chair, Math and Science  
Kellogg Community College

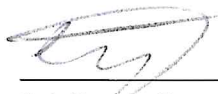


Dawn Larsen, Interim Dean for Arts and Sciences  
Kellogg Community College

**Western Michigan University**



John Spitsbergen, Chair, Department of Biomedical  
Sciences  
Western Michigan University



Carla Koretsky, Dean, College of Arts and Sciences  
Western Michigan University