



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 1600 | 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 |
| TOTAL CREDIT HOURS | 32 CREDIT HOURS AT KCC | |

| II. WMU COURSES REQUIRED FOR PROGRAM DEGREE (Minimum credits needed 26) | | |
|--|-------------------------------|-------------------------|
| WMU Course | WMU Course Title | WMU Credit Hours |
| 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 |
| | | |
| TOTAL CREDIT HOURS | 27 CREDIT HOURS AT WMU | |

| III. WMU COGNATE COURSES REQUIRED FOR PROGRAM DEGREE | | |
|---|--|-------------------------|
| WMU Course | WMU Course Title | WMU Credit Hours |
| CHOOSE ONLY ONE PATH | | |
| CHEMISTRY PATH (20 Credits) | | |
| 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 |
| MATHEMATICS PATH (8 CREDITS) | | |
| MATH 1220 or MATH 2000 | Calculus | Earned at KCC |
| STAT 2600 or STAT 3660 | Data Analysis or Data Analysis for Bioscience | 4 |
| PHYSICS PATH (8 CREDITS) | | |
| 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) | | |
| TOTAL CREDIT HOURS | 33 CREDIT HOURS AT WMU | |

| TOTAL CREDITS (I –III) | | |
|-------------------------------|--|--|
| 63 KCC Credits | | |
| 60 WMU Credits | | |
| 123 Total Credits | | |

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

WMU Academic Advisor 269-387-5617 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

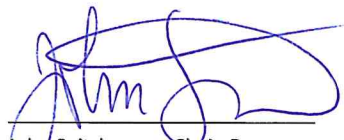


Dr. Michael Goldin, Chair, Math and Science
Kellogg Community College

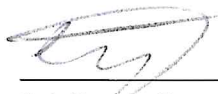


Dawn Larsen, Interim Dean for Arts and Sciences
Kellogg Community College

Western Michigan University



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



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