



**A.S. in Science – Biological Science
Area of Concentration**



**B.S.H.S. in Clinical Embryology and Assisted Reproductive
Technology
2025-26 Catalog Year**

| CREDITS | MONTGOMERY COLLEGE Requirements for Associate's Degree | GEORGE WASHINGTON UNIVERSITY Requirements for Bachelor's Degree |
|--|--|--|
| 3 | ENGL 101 - Introduction to College Writing* | Qualifies towards 3 of 6 credits in English Composition |
| 4 | MATH 165 or MATH 170 or MATH 181 (MATF) | Qualifies towards 3 credits in College Mathematics |
| 4 | CHEM 131 - Principles of Chemistry I (NSLD) | Qualifies towards 3 credits of Chemistry* |
| 3 | Behavioral and Social Sciences Distribution (BSSD)** | Qualifies towards 3 of 6 credits of Social Sciences |
| 3 | English Foundation (ENGF)*** ENGL102 or ENGL103 | Qualifies towards 3 of 6 credits in English Composition |
| 4 | BIOL 150 - Principles of Biology I (NSLD) | Qualifies towards 4 of 8 credits of Biology with lab** |
| 4 | CHEM 132 - Principles of Chemistry II | Advanced Standing |
| 4 | MATH 170 or MATH 181 or Program Elective † | Qualifies towards 3 credits in College Mathematics if not previously satisfied |
| 3 | Humanities Distribution (HUMD) | Qualifies towards 3 credits in Humanities |
| 4 | BIOL 151 - Principles of Biology II (NSLD) | Qualifies towards 4 of 8 credits of Biology with lab** |
| 3 | COMM 108 or COMM 112 (GEEL) | Advanced Standing |
| 3 | Arts Distribution (ARTD) | Advanced Standing |
| 4 | Program Elective † | Advanced Standing |
| 4 | BIOL 222 - Principles of Genetics | Advanced Standing |
| 3 | Behavioral and Social Sciences Distribution (BSSD)** | Qualifies towards 3 of 6 credits of Social Sciences |
| 4 | Program Elective † | Advanced Standing |
| 3 | Program Elective † | Advanced Standing |
| 60 | TOTAL CREDITS TRANSFERRED | |
| REMAINING GEORGE WASHINGTON UNIV DEGREE REQUIREMENTS RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE'S DEGREE | | |
| | MLS 3000: Lab Math | 3 |
| | MLS 3001W: Professional Ethics | 3 |
| | MLS 4141: Immunology and Serology | 3 |
| | MLS 4158: Lab Management and Operations | 3 |
| | MLS 2007W: Microbes & Society | 3 |
| | CERT 3004: Endocrinology | 3 |
| | CERT 3005: Current Topics | 3 |
| | MLS 4171: Human Genetics | 3 |
| | CERT 4010: Embryology | 3 |
| | CERT 4012: Andrology | 3 |
| | CERT 4014: Cryobiology | 3 |
| | MLS 4151: Molecular Diagnostics | 3 |
| | CERT 4021: Laboratory Techniques in Reproductive Medicine (one-week lab in person) | 3 |
| | Elective | 21 |
| TOTAL CREDITS REMAINING AT GEORGE WASHINGTON UNIVERSITY | | 60 |

MONTGOMERY COLLEGE NOTES

* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or program elective.

** Behavioral and Social Science Distribution (BSSD) courses must come from different disciplines.

*** If ENGF has already been taken, then choose an arts distribution course (ARTD).

† Program electives: Program electives range from 2-5 credits. Students are encouraged to speak with their transfer institution when selecting program electives. It is recommended that in a 2 semester chemistry sequence, both courses be taken at the same institution (e.g. CHEM 203 and CHEM 204). BIOL 202, BIOL 210, BIOL 212, BIOL 213, BIOL 217, BIOL 226, BIOL 228, BIOL 230, BIOL 252, BIOT 120, CHEM 203, CHEM 204, CMSC 140, CMSC 203, CMSC 204, MATH 171, MATH 182, MATH 280, MATH 282, PHYS 161, PHYS 203, PHYS 204, PHYS 233, PHYS 234, PHYS 262, PHYS 263, SCIR 297.

GEORGE WASHINGTON UNIVERSITY NOTES

Admission requirements:

- 6 credits English Composition
- 3 credits College Mathematics
- 3 credits Critical Thinking in the Humanities
- 6 credits Critical Thinking in the Social Sciences
- 8 credits of Biology**

*Not required for admission, but is required to graduate. See note below regarding additional program requirements.

**Must include in-person lab

Additional program requirements include 3 credits of Biotechnology, 4 credits of Microbiology with lab, and 3 credits of Chemistry. These are required to graduate from GW but are not admission requirements. Students are recommended to take these courses, when possible, before attending GW.

Admission/Eligibility requirements:

- To be eligible for transfer, courses must be completed with a grade of C or higher; C- will not transfer.
- Coursework/credits meeting the minimum grade requirement that are not applied toward General Education requirements will count toward the 24 credits of additional coursework, also called Advanced Standing.
- Graduated with a cumulative GPA in the applicable associate degree of 2.75 or greater and science GPA of 2.5 in prerequisite science courses.
- If additional transcripts exist, a cumulative GPA that includes all institutions must be a minimum of 2.7.
- If a science prerequisite is repeated, all grades will be factored into the GPA.
- AP/IB scores may be accepted for credit toward General Education or Advanced Standing credits. Refer to <https://undergraduate.admissions.gwu.edu/bringing-credits-gw> for details. GW does not accept AP credit for English Composition.
- Learn more about the program: <https://smhs.gwu.edu/academics/health-sciences/academics/guaranteed-admission-agreements>