

Master of Sciences in Biology, Molecular/Medical Research Option

Advising Worksheet\$

Fall Program Start

Fall Semester 1

BIO 510 3 credit hours Research Skills
BIO 525 1 credit hours Graduate Seminar
BIO 5__ __credit hours Graduate Biology Course
BIO 5__ __credit hours Graduate Biology Course

Spring Semester 2

BIO 525 1 credit hours Graduate Seminar
BIO 5__ __credit hours Graduate Biology Course
BIO 5__ __credit hours Graduate Biology Course

OR

BIO 580 __credit hours Research

Fall Semester 3

BIO 525 1 credit hours Graduate Seminar
BIO 5__ __credit hours Graduate Biology Course

OR

BIO 580 __credit hours Research

Spring Semester 4

BIO 598 __ credit hours Thesis

Spring Program Start

Spring Semester 1

BIO 525 1 credit hours Graduate Seminar
BIO 5__ __credit hours Graduate Biology Course
BIO 5__ __credit hours Graduate Biology Course
BIO 5__ __credit hours Graduate Biology Course

Fall Semester 2

BIO 510 3 credit hours Research Skills
BIO 525 1 credit hours Graduate Seminar
BIO 5__ __credit hours Graduate Biology Course
BIO 5__ __credit hours Graduate Biology Course

Spring Semester 3

BIO 525 1 credit hours Graduate Seminar
BIO 5__ __credit hours Graduate Biology Course

OR

BIO 580 __ credit hours Research

Fall Semester 4

BIO 598 __ credit hours Thesis

Graduate Biology Course Options

Fall Offerings

BIO 502 Human Anatomy & Physiology I
BIO 503 Human Anatomy & Physiology I Lab
BIO 516 Medical Microbiology
BIO 520 Quantitative Biological Techniques
BIO 532 Graduate Histology
BIO 560 Advanced Molecular Biology
BIO 562 Graduate Microbial Pathogenesis
BIO 570 Advanced Biological Chemistry

Spring Offerings

BIO 501 Advanced Genetics and Genomics
BIO 517 Advanced Immunology
BIO 523 Graduate Pathophysiology
BIO 528 Human Anatomy & Physiology II
BIO 529 Human Anatomy & Physiology II Lab
BIO 556 Advanced Parasitology
BIO 565 Graduate Virology
BIO 572 Advanced Cell Biology

Other BIO Offerings

****Classes in this section are not offered on a regular basis and will be announced if a class would be offered in the registering semester.***

BIO 507 Graduate Human Genetics & Genomics
BIO 508 Advanced Herpetology
BIO 512 Graduate Neuroscience
BIO 534 Graduate Endocrinology
BIO 550 Graduate Development Biology
BIO 564 Medical Parasitology

Additional Notes

- 30 credit hours are required to graduate from West Liberty with a M.S. in Biology; of those 30 credits, a maximum of 9 credit hours of thesis may be applied.
- All M.S. in Biology students are required to take BIO 525 Graduate Seminar every semester except the thesis semester; maximum of 3 credit hours count toward the 30 total for the degree.
- M.S. in Biology students must complete at least 14 credit hours in graded graduate biology courses including BIO 510 Graduate Research Skills, but not BIO 580 Independent Study.
- M.S. in Biology students may take up to 9 credit hours of BIO 580 Research per semester; no more than 4 credit hours may be used to complete the 30 credit hour degree.
- Although BIO 598 Thesis credit hours may exceed the 9 required for the M.S. in Biology, only the 9 required hours will count toward the degree.
- All MS candidates must pass an oral thesis defense upon completion of course requirements and thesis; the MS in Biology will only be awarded to those students who successfully complete all requirements including the oral thesis defense.
- The M.S. in Biology requires a cumulative 3.0 gpa; no more than 6 credit hours of "C" grades may be applied to the total hours for graduation.
- These worksheets are a guide. Each student is responsible for their curriculum and meeting the requirements for graduation as stipulated in the college catalog.
- Courses may not be offered every semester and/or year; please consult with Biology advisor for sequencing.
- ***If a student is interested in using Federal Student Aid, student must be enrolled 6 credit hours per semester.***