BIOMEDICAL SCIENCE (BMSC)

College of Natural Science and Mathematics
Biomedical Science Program (https://www.uaf.edu/bw/research/biomedical-science.php)
907-474-7608

BMSC F214  Introduction to Biomedical Research  (s)
2 Credits
Offered Fall
This seminar aims to introduce students to research methods by
providing students who are new to research and research methods
opportunities to learn about, discuss and conduct ethical activities in
a low stress, small group seminar setting. Organized in a small group,
seminar format, the ultimate objective is for seminar participants to
develop self-efficacy and interest in pursuing research methods courses
and research opportunities early on and throughout their undergraduate
studies.

Lecture + Lab + Other: 2 + 0 + 0

BMSC F224  Entering Research: Undergraduate Research Experience
2 Credits
Offered Spring
Required course for BLaST scholars and open to all UAF students. This
course will facilitate mentored research experience for undergraduate
students. Students will participate in advanced research topics from
outside the usual undergraduate laboratory offerings. Course will
conclude with a semester research report and presentation on research
activities.

Prerequisites: BMSC F214.

Special Notes: Students will be required to actively participate in research
activities and report on progress and growth throughout the course.

Lecture + Lab + Other: 1 + 3 + 0

BMSC F314  Research Project Foundations
1 Credit
Offered Fall
Supports undergraduate research projects with strategies and
methodologies when establishing a scientific research project. Also
foster the personal, academic and career growth of the student. Topics
include personal wellness, academic and career planning, mentoring
relationships, project management, scientific writing, and communication
strategies.

Prerequisites: BMSC F224.

Lecture + Lab + Other: 1 + 0 + 0

BMSC F324  Biomedical Research Skills
1 Credit
Offered Spring
Biomedical Research Skills supports student research projects by
highlighting foundational skills, methodologies and techniques
commonly used in biomedical research. Guest speakers from UAF
and BLaST research community present and share their experience
with students through discussions, primary literature and visits to UAF
laboratories. Open to any UAF undergraduate student.

Prerequisites: BMSC F314.

Lecture + Lab + Other: 1 + 0 + 0