California State University Channel Islands
Masters of Science in Biotechnology
Biotechnology Emphasis

Advising Form: 2019-2020

Name: _____ ID Number: _____

Term Admitted: _____ Last Updated: _____

The MS Biotechnology degree consists of 3 parts: MS Biotechnology Core curriculum (20 units), Biotechnology Emphasis requirements (12 units), & Electives (10-11 units) for a total of 34-35 minimum units required.

Students must obtain a grade of C or better in order for courses to be applied to the MS in Biotechnology degree. Students must receive a grade of B or better in BINF 500 to satisfy the Graduate Writing Assessment Requirement (GWAR) necessary for graduation

MS Biotechnology Curriculum	Units	Instit.	Course	Units	Grade	Term	Comments
MS Biotechnology Common Core Courses (12 units)							
BINF 500 DNA and Protein Sequence Analysis	3						
BIOL 502 Techniques in Genomics and Proteomics	3						
BIOL 503 Biotechnology Law and Regulation	3						
BIOL 504 Molecular Cell Biology	3						
Biotechnology Emphasis Required Courses (12 units)							
BINF 514 Statistical Methods in Computational Biology	3						
BIOL 505 Molecular Structure	4						
BIOL 601 Seminar in Biotechnology	1						
BIOL 600 Team Project	4						
Electives (Minimum 10-11 units)							
BIOL 500 Intro to Biopharmaceutical Production Operations	3						
BIOL 507 Pharmacogenomics and Pharmacoproteomics	3						
BIOL 508 Advanced Immunology	4						

BIOL 509 Plant Biotechnology	4						
BIOL 510 Tissue Culture Techniques & Stem Cell Technology	3						
BIOL 512 Advanced Topics in Regenerative Medicine	1						
BIOL 513 Cell Culture Facility Management	3						
BIOL 516 Clinical Trials and Quality Assurance	3						
BIOL 517 Mechanisms of Development	3						
BIOL 518 Advanced Topics in Molecular Cell Biology	3						
MGT 471 Project Management	3						
BIOL 590 Special Topics	3						
BIOL 597 Directed Study	1						
BIOL 603 Biotechnology Internship	3						
BIOL 604 Biotechnology Across National Boundaries	2						
BIOL 605 Biotechnology Across National Boundaries Field Trip	1						
BME 500 Biological Systems and Biomechanics	3						
BME 501 Fundamentals of Tissue Engineering and Biomaterials	3						
BME 502 Biomedical Instrumentation and Devices	3						

Advising Notes: