B.S. in BIOCHEMISTRY AND MOLECULAR BIOLOGY GRADUATION CHECKLIST

STUDENT: **ADVISOR:**

REQUIRED COURSEWORK:

BIO 111 – General Biology I:

BIO 112 – General Biology II:

BIO 209 – Genetics:

BIO 409 – Biochemistry:

Approved BIO 200–400:

Approved BIO 300–400:

CHE 120 – Chemical Principles of Organic Molecules:

CHE 140 – Reactions of Organic Molecules:

CHE 220 – Quantitative Chemical Analysis:

CHE 303 – Chemistry of Biological Compounds:

Approved CHE 200–400:

CHE 392 – CHE Seminar:

BMB SCE – Senior Capstone Experience:

MAT 111 – Differential Calculus:

MAT 112 – Integral Calculus:

*PHY 101 – College Physics I:

*PHY 102 – College Physics II:

*Students may also take PHY 111 and PHY 112 or MAT106 & MAT 107 in place of MAT 111

ONE OF THE FOLLOWING:

CHE 305 – Chemical Thermodynamics and Kinetics:

CHE 306 – Quantum Chemistry and Spectroscopy:

DISTRIBUTION COURSES:

SOCIAL SCIENCE	**HUMANITIES/FINE ARTS**	**FOREIGN LANGUAGE**
Course 1:	Course 1:	Course 1:
Course 2:	Course 2:	Course 2:
Course 3:	Course 3:	

WRITING COURSES:

W1:

W2:

W3:

W4:

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Approved Biology Electives (One must be 300-400 level)

- BIO 203 Microbiology
- BIO 205 Cell Biology
- BIO 294 Stem Cell Biology
- BIO 302 Developmental Biology
- BIO 314 Biotech & Molecular Bio
- BIO 350 Toxicology
- BIO 394 Endocrinology
- BIO 404 Immunology
- BIO 394, 494 Approved Special Topics in Biology

Approved Chemistry Electives

- CHE 210 Environmental Chemistry
- CHE 240 Chemistry of the Elements
- CHE 204 Greener Art through Greener Chemistry
- CHE 305 Chemical Thermodynamics and Kinetics
- CHE 306 Quantum Chemistry and Spectroscopy
- CHE 310 Greener and Sustainable Chemistry
- CHE 314 Instrumental Methods of Analysis
- CHE 320 Introduction to Medicinal Chemistry
- CHE 340 Organic Mechanisms and Synthesis
- CHE 403 Advanced Organic Chemistry
- CHE 405 Biophysical Methods
- CHE 410 Fundamental of Materials Science
- CHE 394, 494 Approved Special Topics in Chemistry
- Approved Research Experience