

Missouri Baptist University
2014-2015 Degree Sheets
Bachelor of Science in Biotechnology

Student's Name _____ I.D. # _____

Date of Initial Enrollment _____ Enrollment Status _____
(if readmitted, indicate semester readmitted) (Freshman, Transfer, Re-admit)

| | |
|------------------|------------------|
| Course Completed | Course Completed |
| Course | Course |
| Semester | Semester |

| GENERAL EDUCATION REQUIREMENTS | DEGREE REQUIREMENTS |
|---|---|
| <p><input type="checkbox"/> Completed COMMUNICATION SKILLS: 3 courses as listed below (at least 9 hours)</p> <p><input type="checkbox"/> ENGL 113 College Composition I _____</p> <p><input type="checkbox"/> ENGL 123 College Composition II _____</p> <p><input type="checkbox"/> COMM 103 Speech Communication* OR _____</p> <p><input type="checkbox"/> COMM 123 Public Speaking and Diction _____</p> <p><i>* Students who use English as a second language should take COMM 123 Public Speaking and Diction instead of COMM 103 Speech Communication.</i></p> <p><input type="checkbox"/> Completed FINE ARTS AND HUMANITIES: 3 courses (at least 9 hours) from the courses listed below, with at least one from each division (one Fine Arts, one Humanities, and one from either), unless the major requires all courses in the same division.</p> <p><u>Fine Arts</u></p> <p><input type="checkbox"/> ARTS 153 Art Appreciation _____</p> <p><input type="checkbox"/> THEA 103 Appreciation of Theatre _____</p> <p><input type="checkbox"/> COMM 153 Appreciation of Film _____</p> <p><input type="checkbox"/> COMM 223 Introduction to Mass Media _____</p> <p><input type="checkbox"/> COMM 233 Introduction to Cross-Cultural Communication _____</p> <p><input type="checkbox"/> MUHL 153 Appreciation of Music _____</p> <p><input type="checkbox"/> OR equivalent Fine Arts background _____</p> <p><u>Humanities</u></p> <p><input type="checkbox"/> HUMT 153 Travel Studies _____</p> <p><input type="checkbox"/> RPHI 213 Introduction to Philosophy OR _____</p> <p><input type="checkbox"/> RPHI 203 Introduction to Logic _____</p> <p><input type="checkbox"/> OR equivalent Humanities background _____</p> <p><small>*The student may substitute any upper-division Philosophy course if an introductory course in Philosophy or Logic has been completed.</small></p> <p><input type="checkbox"/> Completed NATURAL SCIENCE: 1 course from the biological sciences and 1 course from chemistry or physical science (at least 7-8 hours*)</p> <p><input type="checkbox"/> BIOL 113 + 111 General Biology I _____</p> <p><input type="checkbox"/> CHEM 133 + 132 General Chemistry I OR _____</p> <p><input type="checkbox"/> PHYS 101 + 103 Introduction to Physical Science OR _____</p> <p><input type="checkbox"/> PHYS 122 + 123 Geology and Earth Science _____</p> <p><small>*For the transfer student, at least one of the above must include a laboratory.</small></p> <p><input type="checkbox"/> Completed MATHEMATICS: one course from the following (at least 3 hours)</p> <p><input type="checkbox"/> MATH 123 Contemporary College Mathematics _____</p> <p><input type="checkbox"/> MATH 133 College Algebra _____</p> <p><input type="checkbox"/> MATH 154 Pre-Calculus _____</p> <p><input type="checkbox"/> OR a course with either MATH 133 or 154 as prerequisite _____</p> <p><input type="checkbox"/> Completed SOCIAL AND BEHAVIORAL SCIENCES: 3 courses from at least two of the following disciplines as listed below: Cultural Anthropology, Economics, History, Political Science, Psychology, and Sociology (at least 9 hours)</p> <p><input type="checkbox"/> ECON 113 Macroeconomics _____</p> <p><input type="checkbox"/> ECON 123 Microeconomics _____</p> <p><input type="checkbox"/> HIST 113 Western Civilization I AND _____</p> <p><input type="checkbox"/> HIST 123 Western Civilization II OR _____</p> <p><input type="checkbox"/> HIST 213 U.S. History I AND _____</p> <p><input type="checkbox"/> HIST 223 U.S. History II _____</p> <p><input type="checkbox"/> POLS 113 Federal Government OR _____</p> <p><input type="checkbox"/> POLS 123 State and Local Government OR _____</p> <p><input type="checkbox"/> POLS 233 American Foreign Policy _____</p> <p><input type="checkbox"/> PSYC 133 General Psychology _____</p> <p><input type="checkbox"/> SOCO 113 Introduction to Sociology OR _____</p> <p><input type="checkbox"/> SOHI 213 Worldview and Social Issues OR _____</p> <p><input type="checkbox"/> SOCO 353 Cultural Anthropology _____</p> | <p><input type="checkbox"/> Completed HUMANITIES: 3 courses, as listed below (at least 9 hours)</p> <p><input type="checkbox"/> RBIB 113 Old Testament History _____</p> <p><input type="checkbox"/> RBIB 123 New Testament History _____</p> <p><input type="checkbox"/> ENGL 203 World Literary Types _____</p> <p><input type="checkbox"/> Completed NATURAL SCIENCES AND MATHEMATICS: 3 courses from the following (at least 9 hours)</p> <p><input type="checkbox"/> MATH 243 Probability and Statistics _____</p> <p>Two courses in mathematics or natural sciences beyond the general education requirement.</p> <p><input type="checkbox"/> BIOL 123 + 121 General Biology II _____</p> <p><input type="checkbox"/> CHEM 143 + 142 General Chemistry II _____</p> <p><input type="checkbox"/> Completed KINESIOLOGY AND HEALTH SCIENCES: 4 hours (At least 1 hour must be an activity course, unless waived for documented medical reasons.)</p> <p><input type="checkbox"/> KHSC 333 Health and Wellness _____</p> <p><input type="checkbox"/> _____</p> <p><input type="checkbox"/> Completed COMPUTER LITERACY: 1 course as listed below (at least 3 hours)</p> <p><input type="checkbox"/> BCIS 103 Survey of Computing _____</p> <p><input type="checkbox"/> OR proof of demonstrated competency _____ (determined by a University administered assessment test)</p> <p><input type="checkbox"/> Completed INTERDISCIPLINARY STUDIES: 1-2 courses as listed below (3-4 hours)</p> <p><input type="checkbox"/> IDST 101 Collegiate Seminar (First time freshman only) _____</p> <p>OR _____</p> <p><input type="checkbox"/> IDST 200 Transfer Student Orientation _____</p> <p><input type="checkbox"/> IDST 403 World Citizen _____</p> <hr/> <p>_____ Total Hours of General Education: at least 37-38</p> <p>_____ Total Hours of Degree Requirements: at least 25-28</p> <p>Associate of Arts Degree: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Received from _____</p> <p>_____ Date _____</p> <p><small>(Degree must meet MO_CBHE requirements for general education as established 10/87)</small></p> <hr/> <p>Shaded areas are courses that are required for the major or are prerequisites for degree or major requirements.</p> <p>Please use check marks in the completed course column</p> <p>Please use the standard abbreviations for the semester and year in the semester column (FA-00., SP-01, etc.).</p> |

| Grade | Course | Semester | Grade | Course | Semester |
|--|---|-----------|-------|--|----------|
| MAJOR | | | | Minor | |
| <input type="checkbox"/> Completed <i>Required Biotechnology (BIOT) Courses: 14-17 hours</i> | | | | | |
| _____ | BIOT 213 Introduction to Biotechnology | FA | _____ | _____ | _____ |
| _____ | BIOT 211 Biotechnology Laboratory | FA | _____ | _____ | _____ |
| _____ | BIOT 301 Biotechnology Seminar | FA | _____ | _____ | _____ |
| _____ | BIOT 313 Experimental Biochemistry and Molecular Biology | SP | _____ | _____ | _____ |
| _____ | BIOT 323 Bioethics | SP | _____ | _____ | _____ |
| _____ | BIOT 483-486 Biotechnology Internship or Independent Research | On Demand | _____ | _____ | _____ |
| <input type="checkbox"/> Completed <i>Required Biology (BIOL) Courses: 18-19 hours</i> | | | | | |
| _____ | BIOL 113 + 111 General Biology I* | FA | _____ | _____ | _____ |
| _____ | BIOL 123 + 121 General Biology II** | SP | _____ | _____ | _____ |
| _____ | BIOL 343 + 341 Genetics | FA | _____ | _____ | _____ |
| _____ | BIOL 423 Cell Biology | FA | _____ | _____ | _____ |
| One course from the following: | | | | | |
| _____ | BIOL 373 + 371 Microbiology | FA Even | _____ | _____ | _____ |
| _____ | BIOL 353 Embryology | SP Even | _____ | _____ | _____ |
| _____ | BIOL 363 Pathophysiology | SP Odd | _____ | _____ | _____ |
| _____ | BIOL 443 Advanced Human Physiology | FA Even | _____ | _____ | _____ |
| <input type="checkbox"/> Completed <i>Required Chemistry (CHEM) Courses: 24 hours</i> | | | | | |
| _____ | CHEM 133 + 132 General Chemistry I* | FA | _____ | _____ | _____ |
| _____ | CHEM 143 + 142 General Chemistry II** | SP | _____ | _____ | _____ |
| _____ | CHEM 313 + 312 Organic Chemistry I | FA | _____ | _____ | _____ |
| _____ | CHEM 323 + 322 Organic Chemistry II | SP | _____ | _____ | _____ |
| _____ | CHEM 443 + 441 Biochemistry | SP Even | _____ | _____ | _____ |
| <input type="checkbox"/> Completed <i>Required Mathematics (MATH) Courses: 6 hours</i> | | | | | |
| _____ | MATH 164 Calculus I* | FA/SP | _____ | _____ | _____ |
| _____ | MATH 243 Probability and Statistics | FA/SP | _____ | _____ | _____ |
| OR | | | | | |
| _____ | MATH 343 Statistical Methods** | FA Odd | _____ | _____ | _____ |
| <input type="checkbox"/> Completed <i>Required Physics (PHYS) Courses: 8 hours</i> | | | | | |
| _____ | PHYS 213 + 211 General Physics I | FA | _____ | _____ | _____ |
| _____ | PHYS 223 + 221 General Physics II | SP | _____ | _____ | _____ |
| <input type="checkbox"/> Completed <i>Required Business Division Course: 3 hours</i> | | | | | |
| _____ | MGMT 303 Management Concepts and Practices | FA | _____ | _____ | _____ |
| OR | | | | | |
| _____ | MRKT 313 Introduction to Marketing | FA/SP | _____ | _____ | _____ |
| <p>*Also satisfies general education requirements **Also satisfies B.S. degree requirements</p> | | | | | |
| | | | | <input type="checkbox"/> Completed An additional 8 hours of upper division electives may be required to complete the 45 hour requirement. | |
| | | | | At least six hours of major and three hours of minor must be earned at Missouri Baptist University. | |
| | | | | A grade of D is not acceptable in courses taken to fulfill the requirements for a major or minor. | |
| | | | | If a substitution has been made, attach a copy of the signed approval and indicate the course number and title following the catalog requirement. Please include the date of the substitution. | |
| | | | | <input type="checkbox"/> Yes At least 24 of the last 32 hours taken at Missouri Baptist University | |
| | | | | <input type="checkbox"/> Yes Cumulative GPA of at least 2.00 on a 4.00 scale (those seeking certification must achieve a GPA of 2.5) | |
| | | | | _____ Total Upper Division Hours (At least 45, 57 for a dual degree) | |
| | | | | _____ Total Credit Hours (at least 128 to graduate, 152 for a dual degree) | |
| | | | | Completed: | |
| | | | | <input type="checkbox"/> Yes Mid-Level Assessment (please list the Mid-Level Assessment) | |
| | | | | _____ | |
| | | | | Date Completed _____ | |
| | | | | <input type="checkbox"/> Yes Major Field/ Exit Exam Assessment (Please list the requirement completed) | |
| | | | | _____ | |
| | | | | Date Completed _____ | |
| | | | | Students need to make an appointment with the Director of Records the first semester of their Junior Year for their first graduation check. | |

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Director of Records' Signature _____ Date _____