

**Missouri Baptist University**  
2012 – 2013 Degree Sheets  
**Bachelor of Science in Biochemistry**

Student's Name \_\_\_\_\_

I.D. # \_\_\_\_\_

Date of Initial Enrollment \_\_\_\_\_  
(if readmitted, indicate semester readmitted)

Enrollment Status \_\_\_\_\_  
(Freshman, Transfer, Re-admit)

Course \_\_\_\_\_  
Completed \_\_\_\_\_ Course \_\_\_\_\_ Semester \_\_\_\_\_

Course \_\_\_\_\_  
Completed \_\_\_\_\_ Course \_\_\_\_\_ Semester \_\_\_\_\_

GENERAL EDUCATION REQUIREMENTS	DEGREE REQUIREMENTS
<p><input type="checkbox"/> <b>Completed</b> <b>COMMUNICATION SKILLS: 3 courses as listed below (at least 9 hours)</b></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 are taking or who have taken ENGL 013 should take COMM 123 Public Speaking and Diction instead of COMM 103.</i></p> <p><input type="checkbox"/> <b>Completed</b> <b>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.</b></p> <p><u><b>Fine Arts</b></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><b>Humanities</b></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><i>*The student may substitute any upper-division Philosophy course if an introductory course in Philosophy or Logic has been completed.</i></p> <p><input type="checkbox"/> <b>Completed</b> <b>NATURAL SCIENCE: 1 course from the biological sciences and 1 course from chemistry or physical science (at least 7-8 hours*)</b></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 213 + 211 General Physics I OR _____</p> <p><input type="checkbox"/> PHYS 122 + 123 Geology and Earth Science _____</p> <p><i>*For the transfer student, at least one of the above must include a laboratory.</i></p> <p><input type="checkbox"/> <b>Completed</b> <b>MATHEMATICS: one course from the following (at least 3 hours)</b></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 164 Calculus I _____</p> <p><input type="checkbox"/> OR a course with either MATH 133 or 154 as prerequisite _____</p> <p><input type="checkbox"/> <b>Completed</b> <b>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)</b></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"/> <b>Completed</b> <b>HUMANITIES: 3 courses, as listed below (at least 9 hours)</b></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"/> <b>Completed</b> <b>NATURAL SCIENCES AND MATHEMATICS: 3 courses from the following (at least 9 hours)</b></p> <p><input type="checkbox"/> MATH 243 Probability and Statistics _____</p> <p>Two courses in mathematics or natural sciences <b>beyond</b> the general education requirement.</p> <p><input type="checkbox"/> MATH 254 Calculus II _____</p> <p><input type="checkbox"/> PHYS 223 + 221 General Physics II _____</p> <p><input type="checkbox"/> <b>Completed</b> <b>KINESIOLOGY AND HEALTH SCIENCES: 4 hours</b> (At least 1 hour must be an activity course, unless waived for documented medical reasons.)</p> <p><input type="checkbox"/> Health and Wellness _____</p> <p><input type="checkbox"/> _____</p> <p><input type="checkbox"/> <b>Completed</b> <b>COMPUTER LITERACY: 1 course as listed below (at least 3 hours)</b></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"/> <b>Completed</b> <b>INTERDISCIPLINARY STUDIES: 1-2 courses as listed below (3-4 hours)</b></p> <p><input type="checkbox"/> IDST 101 Collegiate Seminar (First time freshman only) 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 28-29</p> <p>Associate of Arts Degree: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Received from _____</p> <p style="text-align: right;">Date _____</p> <p>(Degree must meet MO_CBHE requirements for general education as established 10/87)</p> <hr/> <p><b>Shaded areas are courses that are required for the major or are prerequisites for degree or major requirements.</b></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
<b>MAJOR: Biochemistry</b>			<b>Minor</b>		
<i>Requires 59 – 65 hours</i>					
<b>[ ] Completed</b>					
<i>Required Chemistry ((32 - 38 hrs.):</i>					
_____	CHEM 133 + 132 General Chemistry I	FA _____	_____	_____	_____
_____	CHEM 143 + 142 General Chemistry II	SP _____	_____	_____	_____
_____	CHEM 313 + 312 Organic Chemistry I	FA Odd _____	_____	_____	_____
_____	CHEM 323 + 322 Organic Chemistry II	SP Even _____	_____	_____	_____
_____	CHEM 413 Physical Chemistry I	FA Odd _____	_____	_____	_____
_____	CHEM 443 + 441 Biochemistry	SP Even _____	_____	_____	_____
_____	CHEM 342 + 332 Analytical Chemistry OR	FA Even _____	_____	_____	_____
_____	BCHM 453 Principles of Medicinal Chemistry	FA Even _____	_____	_____	_____
_____	BCHM 471 Biochemistry Seminar	FA Even _____	_____	_____	_____
_____	BCHM 481 – 486 Biochemistry Research	On Demand _____	_____	_____	_____
<b>[ ] Completed</b>					
<i>Required Biology (15 hrs.) and Biotechnology (3 hrs) courses:</i>					
_____	BIOL 113 + 111 General Biology I	FA _____	<input type="checkbox"/> Yes	At least 24 of the last 32 hours taken at Missouri Baptist University	
_____	BIOL123 + 121 General Biology II	SP _____	<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)	
_____	BIOL 343 + 341 Genetics	FA Even _____	_____ Total Upper Division Hours (At least 45, 57 for a dual degree)		
_____	BIOL 423 Cell Biology	FA Odd _____	_____ Total Credit Hours (at least 128 to graduate, 152 for a dual degree)		
_____	BIOT 313 Experimental Biochem & Molecular Biol	SP _____			
<b>[ ] Completed</b>					
<i>Required Upper Division Electives: 3 courses (at least 9 hours) from the courses listed below, with at least one from each discipline (one Chemistry, one Biology or Biotechnology, and one from either).</i>					
<b>CHEMISTRY</b>					
_____	CHEM 372-374 Instruc. Mthds & Prob. In Chem	On Demand	Completed:		
_____	CHEM 423 Physical Chemistry II	SP Even _____	<input type="checkbox"/> Yes	Mid-Level Assessment (please list the Mid-Level Assessment)	
_____	CHEM 472 + 462 Molecular Modeling	FA Even _____	_____ Date Completed _____		
_____	CHEM 453 Modern Instrumental Analysis	SP Odd _____			
<i>Biology/Biotechnology</i>					
_____	BIOL 373 + 371 Microbiology	FA Even _____	<input type="checkbox"/> Yes	Major Field/ Exit Exam Assessment (Please list the requirement completed)	
_____	BIOT 323 Bioethics	SP _____	_____ Date Completed _____		
_____	BIOL 303 Nutrition Science	FA _____			
_____	BIOL 443 Advanced Human Physiology	FA Even _____			
At least six hours of major and three hours of minor must be earned at Missouri Baptist University.			<b>Students need to make an appointment with the Director of Records the first semester of their Junior Year for their first graduation check.</b>		
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.					

Student's Signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Director of Records' Signature \_\_\_\_\_ Date \_\_\_\_\_