

DEPARTMENT OF BIOCHEMISTRY RECORD

Name \_\_\_\_\_ Entered \_\_\_\_\_ Graduating \_\_\_\_\_ Honors \_\_\_\_\_ Minor \_\_\_\_\_ Advisor \_\_\_\_\_

BIOCHEMISTRY (25 cr)	Offered	CR	Sem/Yr	Grade
BCHM 10000 <sup>a</sup> (2)	F			
BCHM 22100 (3)	F,S			
BCHM 29000 (2)	S			
BCHM 32200 (2)	F,S			
BCHM 36100 * <sup>b</sup> (3)	S			
BCHM 39000 (1)	F			
BCHM 46200 * <sup>b</sup> (3)	F			
BCHM 46300 * (3)	F			
BCHM 46500 (2)	S			
BCHM 49000 (1)	S			
BCHM 49800 <sup>c</sup> (3)	F,S,SS			

BIOLOGY AND SCIENCE SELECTIVES (23 cr)	Offered	CR	Sem/Yr	Grade
BIOL 11000 (4)	F,S,SS			
BIOL 11100 (4)	F,S			
or				
BIOL 12100 (2)	F			
BIOL 13100 (3)	S			
plus				
BIOL 23100 * (3)	F			
BIOL 23200 (2)	F			
AGRY 32000 or BIOL 24100 (3)	F,S			
AGRY 32100 or BIOL 24200 (1 or 2)	F,S			
and Science Selectives (all 200+ level) <sup>d</sup>				

CHEMISTRY (20 cr) <sup>e</sup>	Offered	CR	Sem/Yr	Grade
CHM 11500 * (4)	F,S,SS			
CHM 11600 * (4)	F,S,SS			
CHM 25500 * (or 26505) (3)	F (F,S)			
CHM 25501 (or 26300) (1)	F(F,S)			
CHM 25600 * (or 26505) (3)	S (F,S)			
CHM 25601 (or 26400) (1)	S, SS(F,S)			
CHM 37200 (4)	S			

MATH (9 cr) <sup>f</sup>	Offered	CR	Sem/Yr	Grade
MA 16010 (3)	F,S,SS			
MA 16020 (3)	F,S,SS			
STAT 30100 (3)	F,S,SS			

PHYSICS (8 cr) <sup>g</sup>	Offered	CR	Sem/Yr	Grade
PHYS 22000 (4)	F,S,SS			
PHYS 22100 (4)	F,S,SS			

F=Fall S=Spring SS=Summer Session  
 \* core major coursework – see note on back for grade requirements

ORIENTATION (1 cr)	Offered	CR	Sem/Yr	Grade
AGR 10100 <sup>a</sup> (0.5)	F			
AGR 11500 <sup>a</sup> (0.5)	F			

COMMUNICATIONS <sup>h</sup> (10 cr)	Offered	CR	Sem/Yr	Grade
ENGL 10600 (4)	F,S,SS			
or ENGL 10800 (3)	F,S			

COM 11400 or 21700 (3)	F,S,SS			
Adv. COM/ENGL (3)				

SOCIAL SCIENCES AND HUMANITIES (18 cr) <sup>i</sup>	Offered	CR	Sem/Yr	Grade
3 cr economics, 3 cr UCC approved humanities, 12 cr addl humanities or social sciences no more than 6 credits at 100 level; at least 3 cr. at 300+ level				
Economics Selective (3)	F,S,SS			

UNRESTRICTED ELECTIVES (6 cr)	Offered	CR	Sem/Yr	Grade
_____				
_____				
_____				
_____				
_____				
_____				

**Total credits** \_\_\_\_\_

Total Credits Required for Graduation = 120

**Embedded outcomes:**  
 International understanding <sup>i</sup> (9 credits) \_\_\_\_\_  
 Multicultural awareness <sup>k</sup> (3 credits) \_\_\_\_\_

Behavioral/Social Science (1 course) \_\_\_\_\_  
 Quantitative Reasoning (1 course) \_\_\_\_\_  
 Humanities (1 course) \_\_\_\_\_  
 Information Literacy (1 course) \_\_\_\_\_  
 Oral Communication (1 course) \_\_\_\_\_  
 Science (2 courses) \_\_\_\_\_  
 Science, technology & society (1 course) \_\_\_\_\_  
 Written Communication (1 course) \_\_\_\_\_

300 + crs. (32 credits required) \_\_\_\_\_  
 Honors credits (if Honors College, 24 cr) \_\_\_\_\_

- \* **Core major coursework** in biochemistry is defined as CHM 115/116/255/256, BIOL 231, BCHM 361/462/463. Biochemistry students are expected to earn grades of C- or better in all of their core coursework. Students who receive more than one grade of D+ or lower in a core course must retake the course in which they received their second substandard grade in order to proceed in the major.
- a Students entering as first-semester freshmen are required to complete BCHM 10000 and AGR 10100/11500. Students who transfer or CODO to biochemistry may use BCHM 10000 to meet the Science, Technology & Society outcome. AGR 10100/11500 is waived for CODO students.
- b BCHM 56100 and 56200 may be used as substitutes for BCHM 36100 and 46200; however, 36100 and 46200 are preferred.
- c Except in unusual circumstances BCHM 49800 or 49900 (research/honors research) is required to fulfill the Capstone experience
- d Science selectives must be at the 20000+ level. No more than 6 undergraduate research credits are allowed in this category, but additional research credits will count as unrestricted electives. Higher Math courses may count as science selectives. BIOL 23000 can be used in place of 23100, but 23100 is preferred. The lab, 23200, can be taken with 23000.
- e CHM 11100 plus 11200 and 11600 may substitute for CHM 11500 and 11600, but only one of the three CHM 11200 credits may be used to fulfill graduation requirements. Honors students or those with AP chemistry credit (4 or 5 on exam) may take CHM 13600 or 12901. 13600 also requires credit in MA 165. If a C or better is earned in 13600, departmental credit for CHM 11500 can be requested. Students taking 12901 may need to take an exam to establish credit in CHM 11500, if they do not have AP chemistry credit. CHM 26505 + 26300 and CHM 26605 + 26400 may substitute for CHM 25500 + 25501 and CHM 25600 + 25601, respectively. MCMP 20400 and 20500, and CHM 26100+26300 and 26200+26400 also may satisfy the organic chemistry requirement. If a student elects to take the 2-credit organic labs (26500/26600), 2 credits will count towards science selectives).
- f MA 23100/23200, 22300/22400, 16100/16200 or 16500/16600 are accepted. STAT 30100 is preferred, STAT 50300 and 51100 are also accepted.
- g The sequences of PHYS 17200 (or 15200) plus PHYS 27200 (or 24100) may substitute for PHYS 22000 plus 22100. (PHYS 17200/27200 is calculus-based, 22000/22100 is algebra-based). PHYS 233/234 is also accepted.
- h Students who earn an "A" or "B" in ENGL 10800 are exempt from one credit of the Communications and total graduation requirements. Those who do not earn an "A" or "B" in ENGL 10800 must complete six credits of advanced ENGL or COM. The advanced ENGL or COM requirement may be satisfied with any ENGL or COM course at the 20000+ level or any ASL course or AGR 20100.
- i No more than 6 credits of Social Sciences/Humanities may be at the 10000 level (not including one year of foreign language). At least 3 credits must be at the 30000+ level. Students are encouraged to build some depth in one area of the Social Sciences or Humanities. See the list at [http://www.ag.purdue.edu/oap/Pages/core-social\\_humanities.aspx](http://www.ag.purdue.edu/oap/Pages/core-social_humanities.aspx). Economics Selectives: AGECE 21700, ECON 25100, 25200, 21000. Social sciences=Anthropology, Economics, Political Science, Psychological Sciences, Sociology; Humanities=Band (max. 3 cr.), Classics, English Literature, Foreign Languages and Literatures (min. 6 cr.), Interdisciplinary Studies, History, Visual and Performing Arts, Philosophy.
- j If international understanding courses are selected from social sciences and humanities, they may also be used to meet those area requirements. 10000-level courses in one foreign language will not count toward the 6-credit limit of 10000-level courses in social sciences and humanities. A minimum of 6 credits of a foreign language must be earned to be included in a plan of study to meet Humanities or International Understanding requirements. If only 3 credits of a foreign language are earned, they may only be used as an unrestricted elective. Study abroad participants can use the credits earned to satisfy the International Understanding requirement, regardless of the coursework. Likewise, the 9-credit requirement is waived for international students. See the list of acceptable International Understanding courses at <http://www.ag.purdue.edu/oap/Pages/core-international.aspx>.
- k Students who started college on or after August 2006 must complete a minimum of 3 credits of Multicultural Awareness. These courses deal with U.S. diversity and are different from International Understanding courses. See the list of Multicultural Awareness courses at <http://www.ag.purdue.edu/oap/Pages/core-multicultural.aspx>.

\*\*\* A total of 120 credits are required for graduation.  
 The following courses are not applicable as credit for graduation: CHM 33300; MA 11100, 13700, 13800, 13900, 15200, 15300, 15400, 15900, 22000; PHYS 14900; STAT 11300; and all General Studies Courses except GS 49000 (DURI internship). Credits earned in one of the following courses: MA 15200 or MA 15300 or MA 15400 or MA 15900, may be used as an unrestricted elective in College of Agriculture undergraduate plans of study, but may not be used as a Mathematics and Sciences elective. [Policy change adopted by Agricultural Faculty – December 6, 2007]

\*\*\*\* **REMEMBER - 32 credits at the 30000 level or above must be taken at Purdue**