

INDIANA UNIVERSITY EAST  
SCHOOL OF NATURAL SCIENCE AND MATHEMATICS

**B.S. in Biotechnology** (124 cr.)

Advising Check List

Name \_\_\_\_\_

Date \_\_\_\_\_

Advisor \_\_\_\_\_

Skills Review Test completed	Y	N	NR
Developmental Courses completed	Y	N	NR

	<u>Yr/sem</u>	<u>Grade</u>	<u>Credit</u>
<b>1. First Year Seminar</b> (2 cr.)			
UCOL-U101 (2 cr.)	_____	_____	_____
<b>2. General Education</b> (12-15 cr.)			
ENG-W131 (3 cr)	_____	_____	_____
Second Writing Course (3 cr.)			
ENG-W132, W231 or _____	_____	_____	_____
SPCH-S121 Speech (3 cr)	_____	_____	_____
<b>3. Distribution</b> (18 cr)			
Humanities & Fine Arts** (9 cr)	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
Behavioral and Social Sciences** (9 cr)	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
** Must include courses from 2 different disciplines	_____	_____	_____
<b>4. Mathematics and Computer Science</b> (11 credit hours)			
MATH - M215 Calculus (5 cr)	_____	_____	_____
BIOL-T201 Bioinformatics (3 cr)	_____	_____	_____
MATH-K300 Statistics (3 cr)	_____	_____	_____
<b>5. Physical Science</b> (30 credit hours)			
CHEM-C105/125 General Chemistry I	_____	_____	5
CHEM-C106/126 General Chemistry II	_____	_____	5
CHEM-C341/342 Organic Chemistry I	_____	_____	5
CHEM-C343/344 Organic Chemistry II	_____	_____	5
PHYS-P201 General Physics I	_____	_____	5
PHYS- P202 General Physics II	_____	_____	5
<b>6. Biotechnology Core</b> (31 - 32 cr)			
BIOL-L107 Biological Concepts	_____	_____	5
BIOL-L315 Cell Biology	_____	_____	4
BIOL-L314 Genetics	_____	_____	4
CHEM-C483 Biological Chemistry	_____	_____	3
BIOL-T101 Intro to Biotechnology	_____	_____	2
Purdue OLS-331 Occupational Safety & Health	_____	_____	3

	<u>Yr/sem</u>	<u>Grade</u>	<u>Credit</u>
BIOL-T105 Basic Laboratory Techniques	_____	_____	<u>2</u>
BIOL-T305 Advanced Biotechnology Lab	_____	_____	<u>2</u>
BIOL-L452 Capstone in Biology (0-1cr)	_____	_____	_____
Internship*	_____	_____	<u>6</u>
<i>*Requires approval of the Biotechnology Advisory Committee</i>			

**7. Biotechnology Electives (10 cr from the following or other approved courses)**

BIOL-L211 Molecular Biology (3 cr)	_____	_____	_____
BIOL-L213 Molecular Biology Laboratory(2 cr)	_____	_____	_____
BIOL-M310 Microbiology (3 cr)	_____	_____	_____
BIOL-M315 Microbiology Laboratory (2 cr)	_____	_____	_____
CHEM-C390 Special Topics in Chemistry*(1-5 cr)	_____	_____	_____
BIOL-L391 Special Topics in Biology* (1-3 cr),	_____	_____	_____
<i>*Topics must be approved by the Biotechnology Advisory Committee</i>			

**8. General Electives (12 - 16 cr) Additional courses to total 125 hrs, if needed, after completing all other requirements.**

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**9. Graduation Requirements**

30 cr. in 300 level courses or above.

_____	_____	_____
_____	_____	_____
_____	_____	_____

30 cr. at IUE (200 level or above)	Y	N	Overall GPA (minimum 2.3)	_____
15 cr. in Biology at IUE	Y	N	Biology GPA (minimum 2.5)	_____
			Sci./Math GPA (minimum 2.0)	_____

**10. Total Credits \_\_\_\_\_**