

INDIANA UNIVERSITY EAST  
 SCHOOL OF NATURAL SCIENCE AND MATHEMATICS  
**B.A. in Natural Science and Mathematics** (120 cr.)  
Advising Check List

Name \_\_\_\_\_ Date \_\_\_\_\_

Advisor \_\_\_\_\_

**III. Biochemistry Concentration** (120 cr.)

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.)	_____	_____	_____

**2. General Campus Requirements:** (14-17 cr.)

English ENG-W131 (3 cr.)	_____	_____	_____
Any 2nd Writing Course (3 cr.)			
ENG-W132, W231 or _____	_____	_____	_____
Speech SPCH-S121 (3 cr.)	_____	_____	_____
Computer Literacy* (0-3 cr.)	_____	_____	_____
Mathematics (3 cr.):100 level or higher	_____	_____	_____
(excluding M110 and "T" courses; recommended M125 and M126)			

\*See NSM computer literacy policy

**3. Distribution:** (27 cr.) *Courses used for general education cannot be used here.*

Arts and Humanities\*\* (9 cr.) *(May include foreign language.)*

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

Social and Behavioral Sciences\*\* (9 cr.)

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

Natural Science and Mathematics (9 cr.) *Courses used for major cannot be used here.*

MATH-K300 Statistical techniques	_____	_____	3
MATH-M215 Calculus	_____	_____	5
Introductory Biology (e.g. - L107)	_____	_____	3-5
_____	_____	_____	_____

\*\*Must include courses from at least two different disciplines.

**4. Foreign Language** -The first two semesters of a foreign language sequence or equivalent.

_____	_____	_____	_____
_____	_____	_____	_____

**5. Biochemistry Concentration (30 cr.)**

No more than 6 cr. of individualized study may be used.

<b>A. Biology (16 cr)</b>	<u>Yr/sem</u>	<u>Grade</u>	<u>Credit</u>
MICR-M310 Microbiology	_____	_____	3
MICR-M315 Microbiology Lab	_____	_____	2
BIOL-L211 Molecular Biology	_____	_____	3
BIOL-L213 Molecular Biology Lab	_____	_____	2
BIOL-L315 Cell Biology	_____	_____	4
BIOL-T305 Adv. Biotechnology Lab	_____	_____	2
<b>B. Chemistry (13 cr)</b>			
CHEM-C341 Organic Chemistry I	_____	_____	3
CHEM-C343 Organic Chemistry I Lab	_____	_____	2
CHEM-C342 Organic Chemistry II	_____	_____	3
CHEM-C 344 Organic Chemistry II Lab	_____	_____	2
CHEM-C483 Biological Chemistry	_____	_____	3
<b>C. Capstone (1 cr)</b>			
BIOL L452 Biology Capstone (1 cr)	_____	_____	1

**6. General Electives to total 120 cr.**

	<u>Yr/sem</u>	<u>Grade</u>	<u>Credit</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**7. Graduation Requirements (30 cr)**

Courses must be at the 300 level or above.

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

30 cr.(200 level or above) at IUE Y N

15 cr. in concentration at IUE Y N

Overall GPA (min. 2.3)\_\_\_\_\_

Biology GPA (min. 2.5)\_\_\_\_\_

Sci./Math GPA (min. 2.0)\_\_\_\_\_

**8. Total Credits \_\_\_\_\_**