NAME _____ G00-_____ ENTRY TERM_____

BACHELOR OF SCIENCE

BIOCHEMISTRY (0601)

Gen Education Requirements: 20-22

SUNY Gen Ed Requirements (GER)

Mathematics	R/ **	_____	3-4
Basic Comn	INTD 105	_____	3
Nat Sci I Lec/Lab	N/	_____	3-4
Social Sciences	S/*	_____	3
American History	U/	_____	3
Other World Civ	M/**	_____	3
The Arts	F/*	_____	3

Geneseo Breadth Requirements: 21-23

Nat Sci II Lec/Lab	N/	_____	3-4
Social Science II	S/ *	_____	0-3
Fine Arts II	F/ *	_____	0-3
Humanities I	H/	_____	4
Humanities II	H/	_____	4
Foreign Lang	L/	_____	0-3
LANG 102	L/	_____	0-3
LANG 201	L/	_____	0-3

TOTAL: 32-50

MAJOR *(See notes on back)*

Biology

Biol 116	_____	2
Biol 117and 119	_____	6
Biol 222	_____	3
Biol 300	_____	3
Biol 322	_____	3
Biol/Chem 385	_____	1
Biol 390_Molecular Tech	___	2
Biol/Chem	_____	7
TOTAL	_____	27

MAJOR *(See notes on back)*

Chemistry

Chem 116&118	_____	6
Chem 119	_____	2
Chem 211, 213, 216	_____	8
Chem 302	_____	3
Chem 304	_____	3
Chem 324	_____	3
Biol/Chem 301	_____	1-2
TOTAL	_____	26-27

Related Requirements

Math 221 R/	_____	4
Math 222 or 228	_____	4
Phys 123&114 N/	_____	4
Phys 125&116 N/	_____	4
CSci 119, CSci 120, Biol 250, Math 262, Psyc 250	_____	3
TOTAL	_____	19

courses offered by major department may not be used to fulfill N/, S/, or F/areas
*may overlap with U/ and M/ requirements
**may overlap with courses offered by major department
courses from the Geneseo Breadth Requirements may be used to meet the 30-credit Gen Ed Requirement

Semester _____	Semester: _____	Semester: _____	Semester: _____
Hrs	Hrs	Hrs	Hrs
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
Total ____	Total ____	Total ____	Total ____
Semester _____	Semester: _____	Semester: _____	Semester: _____
Hrs	Hrs	Hrs	Hrs
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
_____ ____	_____ ____	_____ ____	_____ ____
Total ____	Total ____	Total ____	Total ____

Revised 8/11

Total Semester Hours = 120

COMBINED GENERAL EDUCATION AND LIBERAL ARTS BREADTH REQUIREMENTS:

1. Two courses in the humanistic tradition (Humn 220 and 221) H/.
2. Two courses in the fine arts with titles marked with the prefix F/. One of these may be a studio course.
3. Two courses in the social sciences with titles marked with the prefix S/.
4. Two courses in the natural sciences with titles marked with the prefix N/.
5. One course in critical reading and writing (Intd 105); this course must be taken during the freshman year.

Restrictions in Fine Arts, Social Science, and Natural Science

1. The following restrictions apply only to the Fine Arts, Social Science, and Natural Science areas of the General Education curriculum:
2. Students may not apply courses taken in their major departments toward these areas of the General Education curriculum. Double majors are prohibited only from applying courses in their first major of record.
3. In each of these areas, students must apply two courses with different departmental prefixes (For example: SOCL and ANTH for Social Science.) Transfer students who, upon original matriculation at the College, have completed an associate's degree or have 53 or more semester hours accepted as transfer credit are exempt from this limitation if they have previously completed successfully two core-eligible courses with the same departmental prefix. In addition, students who apply three semesters of ensemble or practicum toward the Fine Arts requirement may complete the requirement using a theory or history course with the same departmental prefix. (For example: MUSC 123 and three semesters of MUSC 165.)
4. Students may not apply a particular course to more than one of these areas.
5. Students may not apply more than two courses with the same departmental prefix toward the three areas collectively.

OTHER GRADUATION REQUIREMENTS:

1. One course emphasizing non-Western cultures (marked with the prefix M/Multicultural). The requirement may be fulfilled by a course marked M/ and **may overlap*** with major or general education courses. An approved college-credit bearing study abroad experience in a non-western country may satisfy this requirement.
2. One course in numeric/symbolic reasoning (marked with the prefix R/Reasoning). The requirement may be fulfilled by a course marked R/ and **may overlap*** with major or general education courses.
3. Foreign language competency through the 201 level (for students beginning college-level study in Fall 2003). This requirement may be satisfied by 4 units of a high school foreign language, including at least 85 on the Regents Examination. Students may also take the college placement exam in foreign language to attempt to place out of the requirement or to determine which class they should enroll in here.
4. One semester of US History. Course options to fill this requirement depend on the student's score on the high school Regents examination in US History. Students scoring 85 or above on that test may choose from a menu of courses. Students scoring below 85 must take a narrative course; Hist 150 or 151 will satisfy the narrative requirement.

***Note this important difference from general education course requirements.**

DEPARTMENTAL NOTES: BIOCHEMISTRY

1. Biochemistry majors fulfill natural science general education requirements by taking two semesters of work in a single department (Physics) outside their major departments (Biology and Chemistry).
2. Biochemistry majors must elect Biol 390 – Molecular Techniques.
3. Majors may substitute the two semester sequence Chem 320 and 322 for Chem 324; in this case, three credits from this sequence can be applied towards the 7 credits of electives required.
4. Biochemistry majors must complete at least 69 credits outside of the Biology department.
5. Majors must fulfill the department writing requirement – see College Bulletin.
6. Seven credits must be chosen from among Biol 203, 215, 223, 230, 241, 242, 250, 301, 304, 306, 327, 330, 334, 340, 342, 354, 361, 364, 375, 378, 390 (other than Molecular Techniques), 393, 399, Chem 301, 313, 315, 318, 322, 329, 330, 331, 334, 340, 341, 342, 361, 362, 393, 399. Other courses from BCHM 393, Physics, Math, or Computer Science may be used with prior approval of the Biochemistry Coordinating Committee.
7. No more than three elective credits from 200 level electives and no more than three elective credits for research or directed study can be used to fill the seven elective credits without approval from the Biochemistry coordinator.

Curriculum Guide Sheets are updated after publication of the College Undergraduate Bulletin to reflect mid-publication curricular changes. If you notice any inexplicable variation, please contact the Office of the Dean of the College immediately (Erwin 106, Ext. 5541).