

**Recommended Academic Plan for Science B.S., General Science Option
(SCNBD at Penn State Erie, Behrend College) Revised Summer 2003**

Semester 1	Credits	Semester 2	Credits
ENGL 015 or 030 (GWS) Rhetoric & Composition	3	Social and Behavioral Sciences (GS)	3
MATH 140 (GQ) Calculus w. A. Geometry I	4	MATH 141 (GQ) Calculus w. Geometry II	4
Humanities (GH)	3	Arts (GA)	3
CHEM 110 (GN) Chemical Principles I	3	CHEM 112 (GN) Chemical Principles II	3
CHEM 111 (GN) Experimental Chemistry I	1	CHEM 113 (GN) Experimental Chemistry II	1
First-Year Seminar	1	Health & Physical Activity (GHA)	1.5
Total Credits:	15	Total Credits:	15.5
Semester 3	Credits	Semester 4	Credits
CAS 100 (GWS) Effective Speech	3	Social and Behavioral Sciences (GS)	3
Geoscience	3	CMPSC 121 Intro. to Programming Tech.	3
BIOL 110 (GN) Biology: Basic Concepts & Biodiversity	4	Science Supporting Course [#]	3
PHYS 250 (or PHYS 211) Intro. Physics I	4	PHYS 251 (or PHYS 212) Intro. Physics II	4
		Humanities (GH)	3
Total Credits:	14	Total Credits:	16
Semester 5	Credits	Semester 6	Credits
Arts (GA)	3	BIOL 220W or 230W or 240W; (GN) Biology	4
ENGL 202C (GWS) Effective Writing: Technical	3	Science Supporting Course [#]	3
Foreign Language 1*	4	Foreign Language 2*	4
Science Supporting Course [#]	3	Science Supporting Course 4XX [#]	3
PHYS 213, 214 General Physics, or electives	4		
Total Credits:	16	Total Credits:	14
Semester 7	Credits	Semester 8	Credits
CMPSC 122 or STAT 200 or MATH 230 or MATH 250	3 - 4	Science Supporting Course 4XX [#]	3
Science Supporting Course 4XX [#]	3	Program list course 4XX ^{**}	3
Program list course ^{**}	3	Program list course 4XX ^{**}	3
Program list course ^{**}	3	Program list course ^{**}	3
Program list course ^{**}	3	Health & Physical Activity (GHA)	1.5
Total Credits:	15 - 16	Total Credits:	14.5

- A grade of C or better is required for each 300 or 400 level course in the major field.
- # - For Science Supporting Courses, select 18 credits in category a, b, c, or d below, with at least 9 credits at the 400 level. (a) computer sciences (b) life sciences (c) mathematical sciences (d) physical sciences
- * If a student places into the second course of a foreign language by placement action, elective courses may be used to meet the credit requirement.
- ****Program List Courses** (choose at least 6 credits at the 400 level) Student may select supporting courses from nearly the entire range of the University's course offerings, **excluding** the following: BIOL 011, 012, BI SC 001, 002, 003, 004, B M B 001, CHEM 001, 003, 101, 108, CMPSC 001, 100, 110, ENGL 004, 005, LL ED 005, 010, MATH 001, 002, 003, 004, 017, 018, 021, 026, 030, 035, 036, 040, 081, 082, 083, 110, 111, 200, MICRB 106, 107, 120, 121A, 121B, 150, any MICRB 151x, PHYS 001, 150, 151, SPCOM 04, 126, STAT 100.