

**Physics B. A. Program
Program Planning and Check-off Sheet**

Student Name: _____

Advisor Name: _____ Date: _____

General Education **48 sh**
Communications **6 sh**

Sem/Yr	Grade	Course	Course #	Credits
		College Composition I	COMP 01.111	3
		College Composition II	COMP 01.112	3

Science and Mathematics **12 sh**

Sem/Yr	Grade	Course	Course #	Credits
		Calculus I—MATH	MATH 01.130	4
		Chemistry I—LAB	CHEM 06.100	4
		Chemistry II	CHEM 06.101	4

Social and Behavioral Sciences **6 sh**

Sem/Yr	Grade	Course	Course #	Credits

History, Humanities, and Languages **6 sh**

Sem/Yr	Grade	Course	Course #	Credits
		Phil of Science—WI,M/G (recommended):	PHIL 09.369	3

Non-Program Courses (outside PHYS) **18 sh**

Sem/Yr	Grade	Course	Course #	Credits
		Calculus II	MATH 01.131	4
		Calculus III	MATH 01.230	4
		Intro. Sci. Prog. <i>or</i> Comp. Sci. & Prog.	CS 01.104 <i>or</i> CS 04.103	3

Rowan Experience **≥6 sh**

Sem/Yr	Grade	Course	Course #	Credits
		Public Speaking—PS	CMS 06.202	3
		ACE course:		3

RS____ MATH____ LAB____ WI____ M/G____ LIT____

A Possible Physics Major Program

Freshman Year

Fall	15 s.h.	Spring	15 s.h.
College Composition I [COM*]	3	College Composition II [COM*]	3
Calculus I—MATH [SM*]	4	Calculus II [NPC*]	4
Intro Mechanics—RS	4	Intro TFW&O	4
Chemistry I—LAB [SM*]	4	Chemistry II [SM*]	4

Sophomore Year

Fall	17 s.h.	Spring	16–17 s.h.
Public Speaking—PS	3	Modern Physics	4
Calculus III [NPC*]	4	PHYS Elective [300+]	3–4
Intro E&M	4	Phil. of Science—WI, M/G [HHL*]	3
GE Elective [SBS*]	3	GE Elective [SBS*]	3
RE Elective [ACE*]	3	Programming course [NPC*]	3

Junior Year

Fall	16–17 s.h.	Spring	14 s.h.
PHYS Elective [300+]	3–4	PHYS Elective [300+]	4–3
PHYS/ASTR Elective	4–3	GE Elective [NPC*]	3
GE/RE Elective—LIT [HHL*]	3	GE Elective [NPC*]	4
Career Track	3–4	Career Track	3–4
Free Elective	3		

Senior Year

Fall	15 s.h.	Spring	12 s.h.
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3		

*General Education requirements are 6 semester hours in Communication (COM), 15 semester hours in Science & Mathematics (SM) 6 semester hours in Social & Behavioral Science (SBS), 6 semester hours in History, Humanities and Languages (HHL), and 6 semester hours in Non-Program Courses (NPC).

Rowan Experience requirements include 3 semester hours in Public Speaking (PS) and Artistic and Creative Experience (ACE) each, as well as at least one course each designated as Literature (LIT), Multi-cultural/Global (M/G), Writing Intensive (WI), Rowan Seminar (RS), Math (MATH), and Lab Science (LAB); the latter five requirements are accounted for in Program Requirements.

Note that electives, GE and RE courses may be taken at any time, the above specified courses are for illustration only.

Career Tracks

Choose any 6–8 sh of courses from the appropriate track

- Secondary Education—second major in Education: K–12 Subject Matter
 - Teaching & Learning A w/ Practicum (SMED 34.330/SECD 03.330)
 - Teaching & Learning B w/ Practicum (SMED 34.331/SECD 03.332)
 - If going alternate route or MST: any courses in the physical sciences (PHYS, ASTR, GEOG, CHEM, ENST 94.101, GEOG 06.103/4, GEOG 06.110, GEOG 06.305)
- Environmental Science—Any courses used to fulfill the concentration offered through Biology
- Marketing/Technical Representative—minor or second major in Business
 - Introduction to Economics—Macroeconomic Perspective (ECON 04.101)
 - Introduction to Economics—Microeconomic Perspective (ECON 04.102)
 - Statistics I (STAT 02.260)
- Pre-Med—any courses required by the Pre-Medical concentration or the BS in Nursing offered through Biology
- Pre-Law—any courses required by the Minor in Law & Justice Studies or the Minor in Political Science (both have pre-law tracks)
- Technical Writing Track—any courses required by the Minor in Journalism