

NEW JERSEY CITY UNIVERSITY
CHEMISTRY BS MAJOR PROGRAM ADVISEMENT RECORD

NAME: _____ TEACHER CERTIFICATION

EXPECTED GRADUATION DATE: _____ YES ☐ NO ☐

Chemistry majors must complete a minimum of 49-50 s.h. in Chemistry and 20-22 s.h. in supporting courses in Math, Physics and Computers.

Required Courses in Chemistry (39 SH).

_____	105	General Chemistry I (pr. Chem 100*)	_____	SH
_____	1105	General Chemistry I Recitation/Laboratory	_____	SH
_____	106	General Chemistry II (pr. Chem 105)	_____	SH
_____	1106	General Chemistry II Recitation/Laboratory	_____	SH
_____	207	Organic Chemistry I (pr. Chem 106)	_____	SH
_____	208	Organic Chemistry II (pr. Chem 207)	_____	SH
_____	205	Analytical Chemistry (pr. Chem 106)	_____	SH
_____	2205	Analytical Chemistry Laboratory	_____	SH
_____	316	Instrumental Analysis Lecture	_____	SH
_____	3316	Instrumental Analysis Laboratory	_____	SH
_____	305	Physical Chemistry I (pr. Chem 205, Math 290 or 292, Phys. 130 or 131)	_____	SH
_____	307	Biochemistry (pr. Chem 208)	_____	SH
_____	405	Seminar (pr. Senior standing)	_____	SH
_____	306	Physical Chemistry II (pr. Chem 305)	_____	SH
_____	3306	Physical Chemistry Recitation/ Laboratory	_____	SH
_____	416	Advanced Inorganic Chem (pr. Chem 305)	_____	SH

***Prerequisite Chem 100-Preparation for General Chemistry or satisfactory performance on departmental placement exam.**

All majors are required to select a minimum of two additional courses or a minimum of 6 s.h. from the following list.

_____	301	Medicinal Chemistry (pr. Chem 208)	_____	SH
_____	317	Spectroscopic ID of Organic Compounds (pr. Chem 208)	_____	SH
_____	406	Polymer Chemistry (pr. Chem 208)	_____	SH
_____	412	Inorganic Chemistry Lab (pr. Chem 416)	_____	SH
_____	414	Advanced Organic Chem (pr. Chem 208)	_____	SH
_____	431	Industrial Aspects of Chem	_____	SH
_____	493	Chemical Research (consent of Chairperson)	_____	SH

Required Courses in Math, Physics & Computer Science

_____	Math 192** or Math 190	Calculus I	_____	SH
_____	Math 193** or Math 191	Calculus II	_____	SH
_____	Math 310** or Math 291	Calculus IV	_____	SH
_____	Phys 140** or 130	College Physics I Lecture	_____	SH
_____	Phys 1140** or 1130	College Phys I Rec/Lab	_____	SH
_____	Phys 141** or 131	College Phys II Lecture	_____	SH
_____	Phys 1141** or 1131	College Phys II Rec/Lab	_____	SH
_____	INTD 180	Computer Tools for Science and Math	_____	SH

**** More intensive course, preferred by the Chemistry Department**