

↓ Denotes pre-requisite	⇓ Denotes pre- or co-requisite
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**Terms offered*

Semester	Chemistry Courses	Math Courses	Physics Courses	GE/Electives
1	CHEM 1400/1401 (5) Found. of Chem. & lab <i>*Fall</i>	MATH 1300 (5) Calculus 1 <i>*Fall/Spring/Summer</i>		GE/Electives (3-6) <i>Lower Division Writing Foreign Language?</i>
2	CHEM 3451/3321 (5) Organic 1 & lab - majors <i>*Spring</i>	MATH 2300 (5) Calculus 2 <i>*Fall/Spring/Summer</i>		GE/Electives (3-6)
3	CHEM 3471/3341 (5) Organic 2 & lab - majors <i>*Fall</i>		PHYS 1110 (4) Physics 1 <i>*Fall/Spring/Summer</i>	GE/Electives (0-3)
4	CHEM 2100/2101 (5) Found. of Chem. 2 & lab <i>*Spring</i>		PHYS 1120/40 (5) Physics 2 and Lab <i>*Fall/Spring/Summer</i>	GE/Electives (3-6)
5	CHEM 4511/81 (4) Physical Chem 1 & lab <i>*Fall/Spring</i>			GE/Electives (9-12) <i>Upper Division Writing</i>
6	CHEM 4531/91 (5) Physical Chem 2 & lab <i>*Fall/Spring</i>			GE/Electives (7-9)
7	CHEM 4171 (3) Instrumental 1 w/ lab <i>*Fall</i>		CHEM 4011 (3) Inorganic Chemistry <i>*Fall/Spring</i>	GE/Electives (6-9)
8	CHEM 4181 (3) Instrumental 2 w/ lab <i>*Spring</i>		CHEM 4021 (3)** Inorganic Chemistry Lab <i>*Spring</i>	GE/Electives (9-12)

Additional Information:

- Organic 2:** A dashed box labeled "Organic 2" is shown between semesters 6 and 7, indicating a potential alternative path or requirement.
- Math 2400 (5):** Calculus 3, **Fall/Spring/Summer*. This course is an alternative to MATH 2300 for students needing more math credit.
- GE/Electives:** Specific requirements are listed for each semester, including Lower Division Writing, Foreign Language, Upper Division Writing, and specific credit ranges.
- Chemistry Prerequisites:** Arrows indicate the sequence of chemistry courses, showing that CHEM 1400/1401 is a prerequisite for CHEM 3451/3321, which is a prerequisite for CHEM 3471/3341, and so on.
- Math Prerequisites:** Arrows indicate the sequence of math courses, showing that MATH 1300 is a prerequisite for MATH 2300, which is a prerequisite for MATH 2400.
- Physics Prerequisites:** Arrows indicate the sequence of physics courses, showing that PHYS 1110 is a prerequisite for PHYS 1120/40.
- Chemistry Prerequisites (Continued):** CHEM 2100/2101 is a prerequisite for CHEM 4511/81, which is a prerequisite for CHEM 4531/91, which is a prerequisite for CHEM 4171 and CHEM 4011. CHEM 4171 is a prerequisite for CHEM 4181. CHEM 4011 is a prerequisite for CHEM 4021.
- Alternative Path:** A note at the bottom right states: "**Alternatively, plan for CHEM 3381 (fall only) or independent research - CHEM 4901".

*****Alternatively, plan for
CHEM 3381 (fall only) or
independent research - CHEM
4901***

CHEM Sample Plan - Gen Chem Start

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 *Terms offered

Students who need to complete the foreign language requirement should start early! See your advisor for assistance.

Semester

1

CHEM 1113/14 (5)
 Gen. Chem. 1 & Lab
 *Fall/Spring/Summer

MATH 1300 (5)
 Calculus 1
 *Fall/Spring/Summer

GE/Electives (3-6)
 Lower Division Writing
 Foreign Language?

2

CHEM 1133/34 (5)
 Gen. Chem. 2 & Lab
 *Fall/Spring/Summer

MATH 2300 (5)
 Calculus 2
 *Fall/Spring/Summer

GE/Electives (3-6)

3

CHEM 3311/21 (5)
 Organic 1 & Lab
 *Fall/Spring/Summer

PHYS 1110 (4)
 Physics 1
 *Fall/Spring/Summer

MATH 2400 (5)
 Calculus 3
 *Fall/Spring/Summer

GE/Electives (0-3)

4

CHEM 3331/41 (5)
 Organic 2 & Lab
 *Fall/Spring/Summer

PHYS 1120/40 (5)
 Physics 2 and Lab
 *Fall/Spring/Summer

GE/Electives (3-6)

5

CHEM 4511/81 (4)
 Physical Chem 1 & lab
 *Fall/Spring

GE/Electives (9-12)
 Upper Division Writing

6

CHEM 4531/91 (5)
 Physical Chem 2 & lab
 *Fall/Spring

Organic 2

GE/Electives (7-9)

7

CHEM 4171 (3)
 Instrumental 1 w/ lab
 *Fall

CHEM 4011 (3)
 Inorganic Chemistry
 *Fall/Spring

GE/Electives (6-9)

8

CHEM 4181 (3)
 Instrumental 2 w/ lab
 *Spring

CHEM 4021 (3)**
 Inorganic Chemistry Lab
 *Spring

GE/Electives (6-9)

**Alternatively, plan for
 CHEM 3381 (fall only) or
 independent research - CHEM
 4901

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CHEM Sample Plan - Intro Chem Start

Students who need to complete the foreign language requirement should start early! See your advisor for assistance.

Semester

1

CHEM 1021 (4)
Intro Chemistry w/ lab
**Fall/Spring/Summer*

MATH 1150 & 1151 (5)
Precalculus
**Fall/Spring/Summer*

GE/Electives (3-6)
Lower Division Writing
Foreign Language?

2

CHEM 1113 & 1114 (5)
Gen. Chem. 1 & Lab
**Fall/Spring/Summer*

MATH 1300 (5)
Calculus 1
**Fall/Spring/Summer*

GE/Electives (3-6)

3

CHEM 1133 & 1134 (5)
Gen. Chem. 2 & Lab
**Fall/Spring/Summer*

MATH 2300 (5)
Calculus 2
**Fall/Spring/Summer*

GE/Electives (3-6)

4

CHEM 3311 & 3321 (5)
Organic 1 & Lab
**Fall/Spring/Summer*

MATH 2400 (5)
Calculus 3
**Fall/Spring/Summer*

PHYS 1110 (4)
Physics 1
**Fall/Spring/Summer*

GE/Electives (0-3)

5

CHEM 3331 & 3341 (5)
Organic 2 & Lab
**Fall/Spring/Summer*

CHEM 3381 (2) **
Adv. Org. Chemistry Lab
**Fall*

PHYS 1120 & 1140 (5)
Physics 2 and Lab
**Fall/Spring/Summer*

GE/Electives (3-6)
Upper Division Writing

6

CHEM 4011 (3)
Inorganic Chemistry
**Fall/Spring*

CHEM 4511/81 (4)
Physical Chem 1 & lab
**Fall/Spring*

GE/Electives (3-6)

7

CHEM 4171 (3)
Instrumental 1 w/ lab
**Fall*

CHEM 4531/91 (5)
Physical Chem 2 & lab
**Fall/Spring*

GE/Electives (3-6)

8

CHEM 4181 (3)
Instrumental 2 w/ lab
**Spring*

CHEM 4531/91 (5)
Physical Chem 2 & lab
**Fall/Spring*

GE/Electives (3-6)

****Alternatively, plan for CHEM 4021 (Spring only, CHEM 4011 prereq) or independent research - CHEM 4901**