

The following suggested schedule is based on full-time enrollment for students who do not require any 0-level coursework. This Completion Guide is for students interested in pursuing a major in Chemistry as part of a baccalaureate degree. Students should check with their transfer institution for specific requirements for their major. Requirements can vary between transfer institutions.

Students who complete the Associate in Science may be required to take an additional Social Science and Humanities/Fine Arts course at the transfer institution since they will not be completing the entire General Education Core Curriculum (GECC) prior to transfer. Students could choose to complete an Associate in Arts to transfer and then will have completed the GECC.

First Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
Chem 101	General Chemistry I	5	T	Placement testing into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099; ENG 022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089; or ENG 096. Placement testing into MATH 138 or minimum grade of C in MATH 098. One year of HS Chemistry or Minimum grade C in CHEM 100.	FL/SP/SM	Counts as Physical Science Gen. Ed. Course.
Math 170	Calculus with Analytical Geometry	5	T,W	Appropriate placement score or minimum grade of C in MATH 139 or MATH 142.	FL/SP/SM	Counts as Math Gen. Ed. Course.
Eng 101	Rhetoric	3	T,W,H	Appropriate placement score or minimum grade "C" in one of the following: ENG 021 and ENG 099 ; ENG 022 and ENG 099 ; or the EAP course sequence ENG 079 and ENG 089 ; or ENG 096	FL/SP/SM	Must earn a "C" or better to meet degree requirements.
Social Science Gen. Ed. Course	Refer to AS degree general education category for choices.	3	T,W,H	Varies by course	FL/SP/SM	2 Soc. Sci. courses required from 2 different areas for AS degree.
Total Semester Hours:		16				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
Chem 102	General Chemistry II	5	T	CHEM 101 with a minimum grade of C. Placement testing into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099; ENG.022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089; or ENG 096. Placement testing into MATH 139 or higher, or minimum grade of C in MATH 138.	FL/SP/SM	
Math 171	Calculus with Analytical Geometry II	4	T	MATH 170 or equivalent. Minimum grade of C.	FL/SP/SM	

Bio 151	General Biology I	5	T	Placement testing into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099; ENG.022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089; or ENG 096. Placement testing into MATH 098 or higher, or minimum grade of C in MATH.094.	FL/SP/SM	Counts as Life Science Gen. Ed. Course. Will exceed degree requirement by 1 credit but is typically the required Life Science for this major. Confirm with transfer institution.
Eng 102	Rhetoric	3	T,W,H	Minimum grade "C" in ENG 101	FL/SP/SM	Must earn a "C" or better to meet degree requirements.
Total Semester Hours:		17				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
Chem 209	Organic Chemistry I	5	T	CHEM 102 with minimum grade of C. Placement testing into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099; ENG.022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089; or ENG 096. Placement testing into MATH.139 or higher, or minimum grade of C in MATH 138.	FL	
Phys 201	Engineering Physics I	5	T	Placement testing into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099; ENG 022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089; or ENG 096. MATH 170 or higher level Math course with minimum grade of C.	FL	
Humanities Gen. Ed. Course	Refer to AS degree general education category for choices.	3	T,W		FL/SP/SM	
Comm 101	Principals of Communication	3	T,W,H	Placement testing into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099; ENG.022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089; or ENG 096.	FL/SP/SM	
Total Semester Hours:		16				

Fourth Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes

Chem 210	Organic Chemistry II	5	T	CHEM 209, minimum grade C. Placement testing into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099; ENG 022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089; or ENG 096. Placement testing into MATH 139 or higher, or minimum grade of C in MATH 138.	FL/SP/SM	Offerings rotate each semester. Optional course recommendation. Counts toward the required IAI electives for AA degree.
Phys 202	Engineering Physics II	5	T	PHYS 201, minimum grade C.	FL/SP	
Fine Arts Gen. Ed. Course	Refer to AS degree general education category for choices.	3	T,W		FL/SP/SM	
Social Science Gen. Ed. Course	Refer to AS degree general education category for choices.	3	T,W,H	Varies by course	FL/SP/SM	2 Soc. Sci. courses required from 2 different areas for AS degree.
Total Semester Hours:		16				

For more information:

Guided Academic Pathway (GAP) Advisor:
 Marie Wolff
mwoff@jjc.edu
 815-280-6701

Department Chair:

John Laratta
ilaratta@jjc.edu
 815-280-2418

Student Advising Center:

Main Campus A1155
academicadvising@jjc.edu
 815-280-2673

Guided Academic Pathway (GAP) Advisor:
 Heidi Munsey
hmunsey@jjc.edu
 815-280-7705