



**2021-2022 Completion Guide**  
**Associate in Science, Chemistry Transfer, TR200**  
**ICCB Approved Total Program Hours: 64 Semester Hours**

Date: 5/11/21

*The following schedule is based on full-time enrollment. Students planning to transfer to a senior institution should check with that institution for specific transfer requirements.\**

Program Prerequisites

**T = Traditional    H = Hybrid    W = Web**

<b>First Semester</b>						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms 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; 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: <a href="#">ENG 021</a> and <a href="#">ENG 099</a> ; or the EAP course sequence <a href="#">ENG 079</a> and <a href="#">ENG 089</a> ; or <a href="#">ENG 096</a>	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.
	<b>Total Semester Hours</b>	<b>16</b>				

<b>Second Semester</b>						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms 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; or the EAP	FL/SP/SM	

				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.		
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; 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	Prerequisites	Terms 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; 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; 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	Varies by course	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	Prerequisites	Terms 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; 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 As 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				

\* 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.

### Graduation Requirements

To be awarded an Associate degree at Joliet Junior College, each student must meet the following requirements:

1. Satisfy all admissions requirements.
2. Complete the courses required to earn the given degree. If the student is a transfer student with coursework taken elsewhere, he/she must complete a minimum of 60 credit hours of which 15 credit hours applicable to the degree are earned at JJC. Proficiency test, CLEP, and Advanced Placement does not meet this requirement.
3. Earn a cumulative grade point average of at least 2.0.

4. Discharge all financial obligations to the College and have no restrictions.
5. File an application for graduation. An application should be filed at the time of registration for the student's anticipated last semester.
6. Have all official transcripts from other college/universities on file in the Graduation Office by the graduation filing date for evaluation of credit. A delay in the process may result in a later graduation date.

For more information:	<b>Department Chairperson</b>	<b>Program Advisor</b>
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