



**DEGREE CODE:**  
AS 0211

### PATHWAY: Chemistry Education

Visit your College Advisor, [ccc.edu](http://ccc.edu), or your college's Transfer Center for more information.

The Chemistry Education pathway begins your preparation to teach chemistry to high school students. Chemistry teachers are also required to earn a bachelor's degree from an accredited program and obtain a Professional Educators License with an Chemistry endorsement from the Illinois State Board of Education. Get started now by earning your associate degree from City Colleges, transfer to a four-year teacher certification program as a junior, and start a career in science education.

This is an **example course sequence** for students interested in pursuing Chemistry Education. This does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate in Science (AS) degree. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below. Following this pathway will help you get your associate degree, which will increase your chances of transfer to Bachelor's-level programs of study. Choose Illinois Articulation Initiative (IAI) courses to fulfill general education requirements whenever possible. Visit [www.itransfer.org](http://www.itransfer.org) and speak with your college advisor to learn more about IAI.

For information regarding teaching, licensure and certification requirements for the State of Illinois, please visit [www.isbe.net](http://www.isbe.net). It is important to note that students must pass Illinois Certification Testing System (ICTS) Test of Academic Proficiency (TAP) test, or have 22 composite ACT score and minimum score of 6 on the Writing portion, or have a composite score of 1110 (evidence-based reading and writing + mathematics = 1110 or higher) and a minimum score of 26 on writing and language for entrance into four-year College of Education institutions.

#### Choose your courses with your College Advisor.

Communications and mathematics pre-credit requirements. Placements based on current placement instrument, ACT or department chair recommendation.			College-level courses that can be taken while in pre-credit courses.	
ENGLISH PLACEMENT	READING PLACEMENT	MATHEMATICS PLACEMENT	GENERAL EDUCATION COURSES	ELECTIVE COURSES
<input type="checkbox"/> ESL/FS Writing	<input type="checkbox"/> ESL/FS Reading	<input type="checkbox"/> FS Mathematics I	<input type="checkbox"/> Humanities: Africana Studies 101	<input type="checkbox"/> College Success
<input type="checkbox"/> ESL/English 98	<input type="checkbox"/> ESL/Reading 99	<input type="checkbox"/> FS Mathematics II		<input type="checkbox"/> World Languages
<input type="checkbox"/> ESL 99	<input type="checkbox"/> ESL Reading 100	<input type="checkbox"/> Mathematics 98		
<input type="checkbox"/> ESL/English 100	<input type="checkbox"/> Reading 125	<input type="checkbox"/> Mathematics 99		

### SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students by adding more semesters.

D	SEMESTER 1	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	English 101—Composition I (3)	Communications	<b>DO THIS</b> —Meet with advisor to confirm plans <b>DO THIS</b> —Begin research on four-year institutions
●	Mathematics 207—Calculus and Analytic Geometry I (5)	Mathematics	
●	Chemistry 201—General Chemistry I (5)	Physical Sciences	
●	Education 101—Introduction to Education (3)	Elective	
<b>16 CREDIT HOURS</b>			
D	SEMESTER 2	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	English 102—Composition II (3)	Communications	<b>DO THIS</b> —Mid-term check-in with advisor <b>DO THIS</b> —Visit your campus Transfer Center to discuss options and create a short list of four-year institutions for potential transfer
●	Anthropology 202—Cultural Anthropology (3) (HD)	Social & Behavioral Sciences (HD)	
●	Chemistry 203—General Chemistry II (5)	Physical Sciences	
●	Mathematics 208—Calculus and Analytic Geometry II (5) <b>OR</b> higher	Mathematics	
<b>16 CREDIT HOURS</b>			
D	SEMESTER 3	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	History 111—History of American People to 1865 (3) <b>OR</b> History 112—History of American People from 1865 (3)	Social & Behavioral Sciences	<b>DO THIS</b> —Mid-term check-in with advisor <b>DO THIS</b> —Begin seeking additional four-year funding outlets such as scholarships and aid <b>DO THIS</b> —Prepare documentation for college application
●	Fine Arts course (3)	Fine Arts	
●	Chemistry 205—Organic Chemistry I (6)	Physical Sciences	
●	Biology 114—General Education Biology (4) <b>OR</b> Biology 115—Human Biology (4)	Life Sciences	
<b>16 CREDIT HOURS</b>			
D	SEMESTER 4	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
●	Humanities course (3)	Humanities	<b>COMPLETION</b> of Associate in Science degree in High School Chemistry <b>DO THIS</b> —Apply to four-year institution of your choice
●	Education 203—Educational Psychology (3)	Elective	
●	Speech 101—Fundamentals of Speech Communication (3)	Communications	
●	Political Science 201—The National Government (3)	Social & Behavioral Sciences	
<b>12 CREDIT HOURS</b>			
<b>DEGREE MINIMUM: 60 CREDIT HOURS // PATHWAY TOTAL: 60 CREDIT HOURS</b>			

D = DEGREE // AC = ADVANCED CERTIFICATE // BC = BASIC CERTIFICATE

Programs offered at: