

Arts and Sciences, A.S.
 CCTEC Information Technology Pathway
 Classes of 2027, 2028, and 2029
 Based on 2022-2023 Course Catalog

Degree Requirements				
Courses not taken as Dual Credit at CCTEC will need to be completed as Dual Enrollment to fulfill the degree requirement				
1. FRSH101: College & Career Planning 1cr. 2. ENGL101: English Composition I 3cr. 3. CSCI111: Computer Science 4cr. 4. MATH121: Precalculus 4cr. 5. PHYS123: Fundamentals of Physics I 4cr. 6. ENGL102: English Composition II 3cr. 7. PHYS124: Fundamentals of Physics II 4cr. 8. MATH130: Calculus I 4cr. 9. CSCI112: Computer Science II 4cr.		10. ARTS101: Art Appreciation 3cr. 11. BIOL101: Biology I 4cr. 12. PHIL102: Ethics or MUSI101: Music Appreciation 3cr. 13. BIOL207: Ecology 4cr. 14. CISM200: Principles of Info Security 3cr. 15. BIOL102: Biology II 4cr. 16. CSCI216: Intermediate Java 4cr. 17. CSCI205: C++ Programming 4cr. 18. PSYC101: Psychology 3cr.		
Support Services	Program Advisory with ECHS Counselor.			
CCTEC Dual Credit Courses				
STUDENTS MAY EARN UP TO 30 CREDITS OF CCTEC DUAL CREDIT				
	Grade 9	Grade 10	Grade 11	Grade 12
English	CCTEC English	CCTEC English	AP Language Arts or English 11 ENGL101: English Comp I 3cr.	AP Language Arts or English 12 ENGL102: English Comp II 3cr.
Math	CCTEC Math	CCTEC Math	Precalculus MATH121: Precalculus 4cr. <i>*can be taken as a dual enrollment course in summer</i>	AP or General Calculus MATH130: Calculus 4cr. <i>If student is pursuing dual credit courses only, Precalculus can be taken senior year</i>
Science	Biology BIOL101: Biology 4cr.	CCTEC Science	AP Physics PHYS123: Fundamentals of Physics I 4cr.	AP Physics II PHYS124: Fundamentals of Physics II 4cr.
History/ Social Science/ Diversity/ Humanities	CCTEC History	CCTEC History	CCTEC History	CCTEC History
Dual Credit Electives		CCTEC Information Technology CSCI111: Computer Science I 4cr.		
RCSJ Dual Enrollment Courses <i>Courses must be completed in the order listed</i>	Spring -FRSH101: College & Career Planning 1cr.	Fall -PHIL102: Ethics or MUSI101: Music Appreciation 3cr	Fall -CSCI112: Computer Science II 4cr.	Fall -CSCI216: Intermediate Java 4cr.
	Summer -ARTS101: Art Appreciation 3cr.	Spring -BIOL102: Biology II 4cr. Summer -PSYC101: Psychology 3cr.	Spring -CSCI205: C++ Programming 4cr. Summer -BIOL207: Ecology 4cr. -MATH121: Precalculus 4cr. <i>*if not taken as dual credit</i>	Spring -CISM200: Principles of Info Security 3cr.

To complete this program, students must:

1. Complete the RCSJ Online Application, 4-Year ECHS Permission Form, CCTEC Agreement Form, and yearly FERPA Release of Records.
2. Attend ECHS Workshop scheduled by ECHS Counselor prior to beginning FRSH101: College & Career Planning.
3. Place at college level on the Accuplacer exam while enrolled in, or after completing, FRSH101: College & Career Planning. This must be completed prior to taking Dual Enrollment courses after FRSH101.
4. Complete a course enrollment form for each semester that he or she intends to take classes (for both dual credit and dual enrollment).