



	GRADE	ENGLISH	MATH	SCIENCE	HUMANITIES	PHYS ED HEALTH	OTHER	FINE ARTS/ OTHER	CTE PROGRAM RELATED
SECONDARY	9	English I	Algebra I	Biology or IPC	World Geography	Physical Education	Foreign Lang I	ITSE 1302 Not on the Degree Plan -- can I use XXXX #3## Department Approved Program-Related Elective Instead?	Intro to GIS Careers in Agriculture (PEIMS #N192223) for ITSE 1302 ♦♦
	10	English II	Geometry	Chemistry or Biology	World History	Physical Education & Health	Foreign Lang II		Intro to Geographic Information Systems (PEIMS #N1251175) for CRTG 1411 ♦♦
	11	English III	Algebra II	Physics or Chemistry	U.S. History		Speech	Elective	Intro to Geographic Positioning Systems (PEIMS #N1251171) for CRTG 1421 ♦♦
	12	English IV			Government/ Economics				Raster Based GIS (PEIMS #N1295028) for CRTG 2411

**Mandatory College Placement Assessment (Reading, Math and Writing)**

POSTSECONDARY	Year 1 1st Semester	ENGL 1301 Composition I ■●	MATH 1314 College Algebra ■●			DFTG 1305 Technical Drafting	ITSE 1301 Intro to Computers		CRTG 1411 Intro to GIS/GPS ♦♦	
	Year 1 2nd Semester		MATH 1316 Plane Trigonometry ■●		XXXX #3## Approved Humanities/Fine Arts General Education Elective	COSC 1436 Programming Fundamentals I	DFTG 1309 BASIC Computer-Aided Drafting	CRTG 1401 Cartography and Geography in GIS/GPS	CRTG 1421 Intro to Raster-Based GIS ♦♦	
	Year 2 1st Semester	ETWR 2301 Technical Writing OR ENGL 2311 Technical & Industrial Correspondence & Report Writing		GEOL 1403 Physical Geology ■●				CRTG 2401 Data Acquisition and Analysis in GIS	ITSW 1307 Intro to Database	CRTG 1491 Special Topics in Cartography
	Year 2 2nd Semester			XXXX #3## Social Science General Education Elective	XXXX #3## Department Approved Program-Related Elective	<b>CRTG 2411 Workplace GIS</b> ♦♦	XXXX #3## Department Approved Computer Science OR XXXX #3## Graphic Design Elective			CRTG 2380 Cooperative Education OR CRTG 2364 Practicum (or Field Experience) Cartography



Required High School Courses

Required College Courses

Credit-Based Transition Courses (e.g. Dual/Concurrent Enrollment, Articulated Courses, 2+2+2)

(♦=Tech Prep Course) (●=Dual Credit Course) (■=Transfer Course)

Mandatory Assessments, Advising, and Additional Preparation