

**Surveying and Geomatics Sample Curriculum**  
for students starting at **College Algebra with summer classes - CODES**

**Year One**

Fall Semester		Spring Semester		Summer Semester	
Description	Credits	Description	Credits	Description	Credits
CNST 120 - Introduction to Construction or GEOG 111 - Introduction to Geography	2	CNST 111 - Construction Materials & Methods	3	MATH 150 - Calculus I	5
BSE - ENG 111 - Introduction to Literature	3	BSE - ENG 205 - Introduction to African American Texts	3		
MATH 120 - College Algebra	3	MATH 125 - Precalculus Mathematics with Trigonometry	3		
CODE 120 - Research Team I	3	CE 204 - Engineering Graphics and CAD	3		
CODE 121 - Transdisciplinary Communication	3	CODE 122 - Research Team II	3		
	14	CODE 123 - Research and Systems Thinking	3		5
			18		

**Year Two**

Fall Semester		Spring Semester		Summer Semester	
Description	Credits	Description	Credits	Description	Credits
SURV 264 - Surveying Fundamentals	4	GEOG 210 - Physical Geography	3	CHEM 120A/124A - General Organic and Biological Chemistry ECON 112 - Principles of Microeconomics	4  3
GEOG 202 - Natural Resource Management and Sustainability	3	PHYS 131/131L - College Physics I: Mechanics and Heat	5		
CNST 231 - Plans and Specifications	3	ACCT 200 - Fundamentals of Financial Accounting	3		
STAT 244 - Statistics	4	ECON 111 - Principles of Macroeconomics	3		
CODE 220 - Community Engagement with Science	3	CODE 221 - Research Team III	3		
	17		17		7

**Year Three**

Fall Semester		Spring Semester		Summer Semester	
Description	Credits	Description	Credits	Description	Credits
SURV 310 - Legal Aspects of Surveying	3	SURV 364 - Boundary Surveying	3	FIN 320 - Financial Management & Decision Making  Breadth Fine & Performing Arts	3  3
GEOG 320 - Cartography	3	GEOG 321 - Qualitative Techniques	3		
ACCT 210 - Managerial Accounting	3	GEOG 322 - Air Photo Interpretation	3		
MGMT 330 - Understanding the Business Environment	3	MGMT 331 - Managing Group Projects	3		
CODE 320 - Digital Collaborations	3	SURV 470 - Construction Internship	3		
	15		15		6

**Year Four**

Fall Semester		Spring Semester		Summer Semester	
Description	Credits	Description	Credits	Description	Credits
SURV Technical Elective I	3	SURV Technical Elective II	3		0
SURV 482 - Advanced Surveying Systems	4	SURV 484 - Surveying Computations and Applications	4		
GEOG 418 - Geographic Information Systems	3	CNST 411 - Construction Contracts	3		
GEOG 422 - Remote Sensing and Digital Image Processing	3	CNST 452 - Construction Management and Senior Assignment	3		
PHIL 323 - Engineering, Ethics, and Professionalism	3	GBA 383 - Business and Society	3		
CODE 420 - CODES Capstone	1				
	17		16		

**NOTE:** PHIL 323 is to be waived due to participation in the CODES program.  
ALSO CODE 121 will substitute for ACS 103.

**Total Credit Hours:**

147