



GEOMATICS

Geomatics Program

ASSOCIATES OF APPLIED SCIENCE | 98 CREDITS | RECOMMENDED PROGRAM

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Geomatics @ PCC | <https://www.pcc.edu/programs/gis/aas-geomatics/>

Prerequisites | RD/WR 115 & MTH 58/65

There is no separate application process to begin the Geomatics program at PCC. Students can register for any class that does not have a prerequisite. It is strongly recommended that you follow this guide and meet with a program Advisor before you start the program or during your first term.

FIRST YEAR

Option 1	Option 2
FALL 16 CREDITS	FALL 16 CREDITS
GEO 170 - Maps & Geospatial Concepts (4) **	GEO 170 - Maps & Geospatial Concepts (4) **
GEO 265 - Intro to GIS (4) **	GEO 265 - Intro to GIS (4) **
MTH 111 – College Algebra (5) **	MTH 111 – College Algebra (5) **
Gen Ed requirement (3)	Gen Ed requirement (3)
WINTER 16 CREDITS	WINTER 16 CREDITS
CCET 140 – Intro to Civil and Construction Drafting (3) OR CADD 126 Introduction to AutoCADD (3) **	CCET 140 – Intro to Civil and Construction Drafting (3) OR CADD 126 Introduction to AutoCADD (3) **
WR 121 - English Composition (4) or Higher**	WR 121 - English Composition (4) or Higher**
MTH 112 – Elementary Functions (5) **	MTH 112 – Elementary Functions (5) **
GEO 266 - GIS Analysis (4)	GEO 266 - GIS Analysis (4)
SPRING 16 CREDITS	SPRING 16 CREDITS
GEO 248 – Fundamentals of Drone Operations (4)	GEO 248 – Fundamentals of Drone Operations (4)
GEO 244 – Interactive Map Design (4)	GEO 244 – Interactive Map Design (4)
WR 227 – Technical Writing (4) **	WR 227 – Technical Writing (4) **
GEO 240 – Cartography (4)	GEO 240 – Cartography (4)

SUMMER 4 CREDITS	SUMMER 0 CREDITS
GEO 252 – Geospatial Modeling with Drones I (4)	

SECOND YEAR

FALL 16 CREDITS	FALL 16 CREDITS
CCET 210 – Intro to Surveying (4) **	CCET 210 – Intro to Surveying (4) **
GEO 254 – Geospatial Modeling with Drones II (4)	GEO 252 – Geospatial Modeling with Drones I (4)
GEO 223 - GPS Theory & Design (4)	GEO 223 - GPS Theory & Design (4)
CIS 125D - Database Application Development I (4)	CIS 125D - Database Application Development I (4)
WINTER 15 CREDITS	WINTER 15 CREDITS
GEO 246 - Remote Sensing (4)	GEO 246 - Remote Sensing (4)
GEO 260 - Boundary Surveys & Maps (4)	GEO 260 - Boundary Surveys & Maps (4)
CCET 220 – Computer Applications for Surveying (3) **	CCET 220 – Computer Applications for Surveying (3) **
CIS 122 – Introduction to Programming Logic (4) Gen Ed requirement (3) (MTH 243 Statistics)	CIS 122 – Introduction to Programming Logic (4) Gen Ed requirement (3) (MTH 243 Statistics)
SPRING 14 CREDITS	SPRING 14 CREDITS
GEO 270 – Creating a Map Portfolio (1)	GEO 270 – Creating a Map Portfolio (1)
CCET 230 – Intermediate Surveying (4) **	CCET 230 – Intermediate Surveying (4) **
GEO 267 – Geospatial Applications (4) OR GEO 280A Cooperative Ed (4)	GEO 267 – Geospatial Applications (4) OR GEO 280A Cooperative Ed (4)
GEO 242 GIS Programming (5)	GEO 242 GIS Programming (5)
SUMMER 0 CREDITS	SUMMER 4 CREDITS
	Geo 254 - Geospatial Modeling with Drones II (4)

** Classes are also part of the [Civil & Construction Engineering Technology AAS degree](#).

MTH 243 Statistics is a **recommended course** that can be used as meeting a general education requirement. This course is not required as part of the curriculum, yet is used in the geospatial field and can be taken to deepen skills and prepare you for the employment in geospatial technologies.