WEST CHESTER UNIVERSITY B.S. IN GEOGRAPHY

B.S. IN GEOGRAPHY

College of Business and Public Management

Curriculum

The Bachelor of Science in Geography offers a choice of five emphases (called "tracks"): traditional geography (cultural, environmental, and economic geography including an international perspective), geographic information science (GIScience), location analytics, environmental geography, and elective social studies teacher certification. The geographic information science and location analytics areas emphasize specialized skill development. Internships are available and are recommended for qualified students.

Code	Title	Credits
	CATION REQUIREMENTS (http://	
	/undergraduate/general-education-	
requirements/) Academic Foundat	ione	
First Year Experience		4
English Composition	*	6-7
Mathematics require	•	3-4
Interdisciplinary rec		3
Diverse Communiti		3
Ethics requirement	•	3
Distributed Discip	linary Foundations	
Science requirement	t	6-8
Behavioral & Social	Science requirement	6
Humanities requires	ment	6
Arts requirement		3
	ACCALAUREATE	
	S (http://catalog.wcupa.edu/	
University Require	eral-education-requirements/)	
Writing Emphasis r		9
Speaking Emphasis		9
SPK 208	Public Speaking	
or SPK 230		
01 01 11 20 0	Communication	
Degree Requireme	nts	
Capstone requireme	ent	1-15
MAJOR REQUIR	EMENTS	
Core Courses		
GEO 102	Physical Geography	3
GEO 225	Introduction to Maps and Remote Sensing	3
GEO 230	Environmental Conservation and Sustainability	3
GEO 310	Population Geography	3
GEO 324	Intro to Geographic Information Systems	3
GEO 326	Quantitative Analysis in Geography and Planning	3
GEO 400	Senior Seminar In Geography	3
Additional Geogra Courses	phy or Social/Behavioral Science	
Select one from the		3
GEO 101	World Geography ²	
GEO 103	Human Geography ²	
GEO 104	Introduction to Geospatial Technology and Analytics ²	

Track Requiren	nents	
Select one of the	e following tracks:	
Geography T	rack	
Select three cour	rses from specified groups ³	9
	rses from specified lists of courses ³	9
Location An	· · · · · · · · · · · · · · · · · · ·	
GEO 318	Economic Geography	3
GEO 325	Intro Business GIS	3
GEO 425	Business GIS Applications	3
Select three cour	rses from specified lists of courses ³	9
	Information Science Track	
GEO 328	Computer Cartography	3
GEO 424	Geographic Information Systems Application	3
GEO 427	Geodatabase System	3
Select three cour	rses from specified lists of courses ³	9
	tal Geography Track	
GEO 205	Geography of Agriculture, Food & Sustainability	3
GEO 332	Environmental Crises	3
GEO 334	Sustainable Living	3
Select three cour	rses from specified lists of courses ³	9
	al Studies Teacher Certification Track	
See program	page for specific Certification requirements.	
Related/Cogna	te Requirements	
related to identification	under advisement) that are specifically fied career aspirations, and chosen outside nents, or geography core:	15
Required of all r	•	
ENG 368 or ENG 37	Business and Organizational Writing Technical Writing	
Required for loc under advisemen	ation analytics track: four courses selected	
	graphic information science track: four under advisement	
Required of enviselected under a	ironmental geographic track: four courses dvisement	
Capstone Requ	irement	
GEO 404	Senior Project in Geography ⁴	3
Student Electiv		
Select 3-15 credits		
Total Minimum	n Credits Required	120
1		

Geography majors must pass WRT 120 and WRT 200 (or equivalent) with a grade of 2.0 or higher.

² Geography majors must pass GEO 101,

GEO 103, or GEO 104 with a grade of 2.0 or higher.

³ Taken under advisement

⁴ This course fulfills the Capstone requirement

Accelerated B.S. in Geography to M.S. in Geography Program

Any Geography major with junior-standing in the Environmental, Location Analytics, GIScience, or Geography track, with a 3.0 cumulative GPA or higher may substitute up to 12 graduate credits to satisfy the B.S. program.

Code	Title	Credits
Elective Cou	irses	
Select from the	he courses below:	

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GEO 502	Topical Seminar in Geography	3
GEO 505	Planning Design	3
GEO 506	Seminar in Physical Geography	3
GEO 507	Internet Applications of Geographic Information Systems	3
GEO 521	Suburbanization and Land Development	3
GEO 524	Population Processes	3
GEO 525	Urban and Regional Planning	3
GEO 526	Metropolitan Systems and Problems	3
PLN 527	Planning Law and Organization	3
GEO 531	Transportation Planning	3
PLN 536	Environmental Planning	3
GEO 538	Environmental Modeling with Geographic Information Systems	3
GEO 554	Geography and Planning of Housing	3
GEO 577	Geodatabases	3

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport (http://wcupa.edu/degreeprogressreport/).

The following is a sample suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.S. in Geography: General Track

Course	Title	Credits
Year One		
Semester Or	ne	
GEO 102	Physical Geography	3
WRT 120	Effective Writing I	3
FYE 100X	First Year Experience	4
General Edu	cation Course	3
General Edu	cation Course	3
	Credits	16
Semester Tw	70	
GEO 101	World Geography	3
GEO 230	Environmental Conservation and Sustainability	3
MAT 103	Introduction to Mathematics (or higher)	3
SPK 208	Public Speaking	3
General Edu	cation Course	3
	Credits	15
Year Two		
Semester Th	ree	
GEO 225	Introduction to Maps and Remote Sensing	3
WRT 200	Critical Writing and Research	3
Geography E	Elective	3
Geography E	Elective	3
General Edu	cation Course	3
	Credits	15
Semester Fo	ur	
GEO 204	Introduction to Urban Studies	3
Geography Elective		
Geography E	Elective	3
General Education Course		

General Edu	cation Course	3
	Credits	15
Year Three		
Semester Fix	ve	
GEO 324	Intro to Geographic Information Systems	3
Cognate Cou	ırse	3
Cognate Cou	ırse	3
Geography E	Elective	3
General Edu	cation Course	3
	Credits	15
Semester Six		
GEO 310	Population Geography	3
GEO 326	Quantitative Analysis in Geography and Planning	3
ENG 368	Business and Organizational Writing	3
or ENG 371	or Technical Writing	
Geography E	Elective	3
Elective		3
	Credits	15
Year Four		
Semester Se	ven	
GEO 400	Senior Seminar In Geography	3
Cognate Cou	irse	3
Cognate Cou	ırse	3
Geography E	Elective	3
General Elec	tive	3
	Credits	15
Semester Eig	ght	
GEO 404	Senior Project in Geography	3
Cognate Cou	ırse	3
Geography E	Elective	3
Geography E	Elective	3
General Elec	tive	3
	Credits	15
	Total Credits	121

B.S. in Geography: GIScience Track

Course	Title	Credits
Year One		
Semester On	e	
GEO 102	Physical Geography	3
GEO 104	Introduction to Geospatial Technology and Analytics	3
WRT 120	Effective Writing I	3
FYE 100X	First Year Experience	4
General Educ	cation Course	3
	Credits	16
	Cicuits	10
Semester Tw		10
Semester Two GEO 101		3
	0	
GEO 101	o World Geography Environmental Conservation and	3
GEO 101 GEO 230	o World Geography Environmental Conservation and Sustainability	3 3
GEO 101 GEO 230 MAT 103	World Geography Environmental Conservation and Sustainability Introduction to Mathematics (or higher) Public Speaking	3 3 3

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Year Two			GEO 205	Geography of Agriculture, Food & Sustainability	3
Semester T		2	WRT 120	Effective Writing I	3
GEO 225	Introduction to Maps and Remote Sensing	3	FYE 100X	First Year Experience	4
GEO 324	Intro to Geographic Information Systems	3		ucation Course	3
WRT 200	Critical Writing and Research	3	Ochierar Bac	Credits	16
Geography 1	~	3	Semester Tv		10
	ucation Course	3	GEO 101	World Geography	3
	Credits	15	GEO 230	Environmental Conservation and	3
Semester Fe	our			Sustainability	
GEO 204	Introduction to Urban Studies	3	MAT 103	Introduction to Mathematics (or higher)	3
GEO 328	Computer Cartography	3	SPK 208	Public Speaking	3
Geography !		3	General Edu	acation Course	3
General Ed	ucation Course	3		Credits	15
General Ed	ucation Course	3	Year Two		
	Credits	15	Semester Th		
Year Three			PLN 214	Introduction to Planning	3
Semester F	ive		GEO 225	Introduction to Maps and Remote	3
GEO 427	Geodatabase System	3	CEO 224	Sensing	2
Cognate Co		3	GEO 324	Intro to Geographic Information Systems	3
Cognate Co		3	WRT 200	Critical Writing and Research	
Geography 1		3	General Edi	Credits	3 15
General Ed	ucation Course	3	Semester Fo		15
	Credits	15	GEO 204	Introduction to Urban Studies	3
Semester Si			GEO 204 GEO 332	Environmental Crises	3
GEO 310	Population Geography	3		acation Course	3
GEO 326	Quantitative Analysis in Geography and	3		acation Course	3
CEO 424	Planning	3		acation Course	3
GEO 424	Geographic Information Systems Application	3	General Ede	Credits	15
ENG 368	Business and Organizational Writing	3	Year Three	Cicuits	13
or	or Technical Writing		Semester Fi	ve	
ENG 37	1		GEO 324	Intro to Geographic Information Systems	3
General Ed	ucation Course	3	Cognate Co	~ .	3
	Credits	15	Cognate Co		3
Year Four			_	acation Course	3
Semester So			General Edu	ication Course	3
GEO 400	Senior Seminar In Geography	3		Credits	15
Cognate Co		3	Semester Si	x	
Cognate Co		3	GEO 310	Population Geography	3
Geography		3	GEO 326	Quantitative Analysis in Geography and	3
General Edi	ucation Course	3		Planning	
	Credits	15	GEO 334	Sustainable Living	3
Semester E	•	2	ENG 368	Business and Organizational Writing	3
GEO 404	Senior Project in Geography	3	or ENG 371	or Technical Writing	
Cognate Co			L110 371		2
C 1			General Edu	ication ('ourse	- 3
Geography	Elective	3	General Edu		3 15
Geography	Elective Elective	3 3		Credits	15
	Elective Elective ective	3 3 3	Year Four	Credits	
Geography	Elective Elective ective Credits	3 3 3 15	Year Four Semester Se	Credits	15
Geography General Ele	Elective Elective cctive Credits Total Credits	3 3 3	Year Four Semester Se GEO 400	Credits even Senior Seminar In Geography	15
Geography General Ele	Elective Elective ective Credits	3 3 3 15	Year Four Semester Se GEO 400 Cognate Co	Credits even Senior Seminar In Geography urse	15
Geography General Ele B.S. in Ge	Elective Elective cctive Credits Total Credits	3 3 3 15	Year Four Semester Se GEO 400 Cognate Co Cognate Co	Credits even Senior Seminar In Geography urse urse	3 3 3
Geography General Ele B.S. in Ge Course	Elective Elective ective Credits Total Credits eography: Environmental Track	3 3 3 15 121	Year Four Semester Se GEO 400 Cognate Co Cognate Co Geography I	Credits even Senior Seminar In Geography urse urse	3 3 3 3 3
Geography General Ele B.S. in Ge	Elective Elective Credits Total Credits eography: Environmental Track Title	3 3 3 15 121	Year Four Semester Se GEO 400 Cognate Co Cognate Co Geography I	Credits even Senior Seminar In Geography urse urse Elective	3 3 3
Geography General Ele 3.S. in Ge Course Year One	Elective Elective Credits Total Credits eography: Environmental Track Title	3 3 3 15 121	Year Four Semester Se GEO 400 Cognate Co Cognate Co Geography I	Credits Even Senior Seminar In Geography urse urse Elective acation Course Credits	3 3 3 3 3 3
Geography General Ele 3.S. in Ge Course Year One Semester O	Elective Elective Credits Total Credits eography: Environmental Track Title	3 3 3 15 121 Credits	Year Four Semester Se GEO 400 Cognate Co Cognate Co Geography I General Edu	Credits Even Senior Seminar In Geography urse urse Elective acation Course Credits	3 3 3 3 3 3

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Total Credits	121
Credits	15
General Education Course	3
Geography Elective	3
Geography Elective	3
Cognate Course	3

B.S. in Geography: Location Analytics Track

B.S. in Geo	ography: Location Analytics Track	
Course	Title	Credits
Year One		
Semester On	e	
GEO 102	Physical Geography	3
GEO 104	Introduction to Geospatial Technology and Analytics	3
WRT 120	Effective Writing I	3
FYE 100X	First Year Experience	4
General Educ		3
	Credits	16
Semester Tw	0	
GEO 101	World Geography	3
GEO 230	Environmental Conservation and Sustainability	3
MAT 104	Introduction to Applied Mathematics (or higher)	3
SPK 208	Public Speaking	3
General Educ	cation Course	3
	Credits	15
Year Two		
Semester Thi		
GEO 225	Introduction to Maps and Remote Sensing	3
GEO 318	Economic Geography	3
GEO 324	Intro to Geographic Information Systems	3
WRT 200	Critical Writing and Research	3
General Educ	cation Course	3
	Credits	15
Semester Fou	ır	
GEO 204	Introduction to Urban Studies	3
Geography E	lective	3
General Educ		3
General Educ		3
General Educ		3
	Credits	15
Year Three		
Semester Fiv		
GEO 325	Intro Business GIS	3
Cognate Cou		3
Cognate Cou		3
General Educ		3
General Educ	cation Course	3
C C ·	Credits	15
Semester Six		2
GEO 310	Population Geography Overtitative Analysis in Geography and	3
GEO 326	Quantitative Analysis in Geography and Planning	3
ENG 368	Business and Organizational Writing	3
or ENG 371	or Technical Writing	

GEO 425	Business GIS Applications	3
General Ed	ucation Course	3
	Credits	15
Year Four		
Semester Se	even	
GEO 400	Senior Seminar In Geography	3
Cognate Co	purse	3
Cognate Course		3
Geography Elective		3
General Ed	ucation Course	3
	Credits	15
Semester E	ight	
GEO 404	Senior Project in Geography	3
Cognate Course		3
Geography	Elective	3
Geography	Elective	3
General Ed	ucation Course	3
	Credits	15
	Total Credits	121