

## 4-Year Flight Plan Arts & Sciences

**This degree progression plan serves as a visual aid to help you plan your courses so that you can graduate in four years. Depending on course availability, you may or may not be able to enroll in this exact sequence. Please consult with your academic advisor to discuss how you can adjust your Flight Plan if you need assistance in scheduling courses. Please note that you MUST complete all prerequisite courses before enrolling in the courses above.**

**Students who wish to complete a 5 or 6 year Flight Plan should make an appointment to meet with their academic advisor to create a plan. Five and six year milestones can be found at [louisville.edu/flightplan/milestones](http://louisville.edu/flightplan/milestones).**

**Bachelor of: Science  
Major: Geography  
Track: Geospatial Technologies  
Catalog Year: Summer 2016  
Prepared by: Jody Reed**

**Date Revised: May 2016**

Legend for Requirement Category (Req. Cat.) for A&S

**WC** = Written Communication    **OC** = Oral Communication

**B** = Both Science Lecture and Lab    **H** = Humanities

**CD2** = Cultural Diversity 2    **MJ** = Major

**CUE** = Culminating Undergraduate Experience

**M** = Mathematics    **S** = Natural Science Lecture

**A** = Arts    **SB** = Social & Behavioral Sciences

**SP** = Supporting Courses    **FRE** = Free Elective

**SL** = NS Lab

**CD1** – Cultural Diversity 1

**P** = Programmatic

**Pre = Prerequisite (one or more courses must be completed prior to enrolling in this course). Please see the [Course Catalog](#) for specific information.**

### Year 1, Fall

### Year 1, Spring

Course Title	Pre	Req. Cat.	Hours	Semester Offered			Course Title	Pre	Req. Cat.	Hours	Semester Offered		
				F	S	U					F	S	U
<a href="#">Gen 101: Arts and Sciences Orientation</a>		P	1	FS			<a href="#">Gen Ed (Eng 102): Intermediate College Writing - WC</a> <sup>a</sup>	Yes	WC	3	FSU		
<a href="#">Gen Ed (Eng 101): Introduction to College Writing - WC</a> <sup>a</sup>		WC	3	FSU			<a href="#">Gen Ed (Humanities)</a> <sup>a</sup>	Varies	H	3	FSU		
<a href="#">Gen Ed (Hist 101: History of Civilizations I - SB or 102: History of Civilizations I - SB)</a> <sup>a</sup>		SB	3	FSU			<a href="#">Gen (Math)</a> <sup>a</sup>	Varies	M	3	FSU		
<a href="#">Foreign Language 1</a> <sup>b</sup>		P	3 or 4	FSU			<a href="#">Foreign Language 2</a> <sup>b</sup>	Yes	P	3 or 4	FSU		
<a href="#">Geos 200: The Global Environment - S</a>		MJ, S	3	FSU			<a href="#">Geog 200: Power of Place - SB</a>		MJ, SB	3	FS		
Total Hours Year 1, Fall:				13-14	Total Hours Year 1, Spring:				15-16				

**Year 1, Summer****Year 2, Fall**

Course Title	Pre	Req. Cat.	Hours	Semester Offered F S U	Course Title	Pre	Req. Cat.	Hours	Semester Offered F S U
					<a href="#">Geog 256: Introduction to Quantitative Methods in Geography and Geosciences</a>		MJ	3	F
					<a href="#">Geog 300: Globalization and Diversity - CD2</a>		MJ, CD2	3	F
					<a href="#">Geog 355: Remote Sensing</a>		MJ	3	F
					<a href="#">Geog 350: Introduction to Mapping and Geospatial Technologies</a>	Yes	MJ	3	F
					<a href="#">Gen Ed (Oral Communication)<sup>a</sup></a>		OC	3	FSU
Total Hours Year 1, Summer:					Total Hours Year 2, Fall:				
					15				

**Milestones required after year 1: 30 total hours with a minimum 2.0 cumulative Grade Point Average**

**Year 2, Spring****Year 2, Summer**

Course Title	Pre	Req. Cat.	Hours	Semester Offered F S U	Course Title	Pre	Req. Cat.	Hours	Semester Offered F S U
<a href="#">Geog 356: Introduction to Spatial Statistics</a>		MJ	3	S					
<a href="#">Geog 558: Introduction to Geographic Information Systems</a>		MJ	3	FSU					
Humanities/Natural Science Elective (300+) <sup>e, f</sup>		P	3	FSU					
<a href="#">Gen Ed (SB)<sup>a</sup></a>		SB	3	FSU					
<a href="#">Geos 367: Geomorphology</a>	Yes	MJ	3	S					
Total Hours Year 2, Spring:				15	Total Hours Year 2, Summer:				

**Milestones required after year 2: 60 total hours with a minimum 2.0 cumulative Grade Point Average**

**Year 3, Fall****Year 3, Spring**

Course Title	Pre	Req. Cat.	Hours	Semester Offered F S U	Course Title	Pre	Req. Cat.	Hours	Semester Offered F S U
Geo Specialization <sup>c</sup>	Yes	MJ	3	As offered	<a href="#">Geog 385</a>	Yes	MJ	3	S
<a href="#">Gen Ed (Arts)<sup>a</sup></a>		A	3	FSU	Geo Specialization <sup>c</sup>	Yes	MJ	3	As offered
<a href="#">Gen Ed (Natural Science w lab)<sup>a</sup></a>	Varies	B	4	FSU	Geo Specialization <sup>c</sup>	Yes	MJ	3	As offered
Free Elective	Varies	FRE	1	FSU	Geo Elective (300+)	Varies	MJ	3	FSU
<a href="#">Geog 361: Sustainable Human Environments -WR</a>	Yes	MJ WR	3	FS	Humanities/Natural Science Elective (300+) <sup>e, f</sup>	Varies	P	3	FSU
<a href="#">Gen Ed (CD1)<sup>a</sup></a>	Varies	CD1	3	FSU					
Total Hours Year 3, Fall:				17	Total Hours Year 3, Spring:				15

**Year 3, Summer****Year 4, Fall**

Course Title	Pre	Req. Cat.	Hours	Semester Offered			Course Title	Pre	Req. Cat.	Hours	Semester Offered		
				F	S	U					F	S	U
							<a href="#">Geog 441: Senior Thesis Proposal-WR</a>	Yes	MJ	3		F	
							Geo Elective (300+)	Varies	MJ	3		FSU	
							Social Science Elective (300+) <sup>d</sup>	Varies	SP	3		FSU	
							Free Elective	Varies	FRE	3		FSU	
							Free Elective	Varies	FRE	3		FSU	
Total Hours Year 3, Summer:							Total Hours Year 4, Fall:				15		

**Milestones required after year 3: 90 total hours with a minimum 2.0 cumulative Grade Point Average**

**Year 4, Spring****Year 4, Summer**

Course Title	Pre	Req. Cat.	Hours	Semester Offered			Course Title	Pre	Req. Cat.	Hours	Semester Offered		
				F	S	U					F	S	U
<a href="#">Geog 442: Senior Thesis- WR; CUE</a> <sup>g</sup>	Yes	MJ, CUE	3		S								
Social Science Elective (300 level) <sup>d</sup>	Varies	FRE	3		FSU								
Free Elective	Varies	FRE	3		FSU								
Free Elective	Varies	FRE	3		FSU								
Free Elective (if needed)	Varies	FRE	4		FSU								
Total Hours Year 4, Spring:				16			Total Hours Year 4, Summer:						

**Milestones required after year 4: 121 total hours with a minimum 2.0 cumulative Grade Point Average**

Total Hours Required for Degree: 121

Overall GPA Required: 2.0

Major GPA Required: 2.0

Hours Required at 300 level or above: 50

Residency Requirement: 30 of last 36 hours must be taken at UofL and in the College.

Notes

<sup>a</sup> There are specific courses to choose from to meet the General Education requirements. The list of acceptable courses is available at <http://louisville.edu/provost/GER/>. Notice that some courses may satisfy more than one general education category.

<sup>b</sup> Foreign Language Requirement - BS Degrees: 6-8 hours. Must complete 102, 122, 141 level or equivalent.

<sup>c</sup> Geo Specialization: (Geospatial Technologies): Geography 522, 530, 531, 556, 559, 583; Geog 571 (select 3)

<sup>d</sup> You may select any course from the departments within the Division of Social Sciences (other than Geography) to fulfill this requirement. The list of acceptable departments is available on the College of Arts and Sciences website at: <http://louisville.edu/artsandsciences/advising/three-divisions-in-arts-sciences.html>

<sup>e</sup> You may select any course from the departments within the Division of Humanities to fulfill this requirement. The list of acceptable departments is available on the College of Arts and Sciences website at: <http://louisville.edu/artsandsciences/advising/three-divisions-in-arts-sciences.html>

<sup>f</sup> You may select any course from the departments within the Division of Natural Sciences to fulfill this requirement. The list of acceptable departments is available on the College of Arts and Sciences website at: <http://louisville.edu/artsandsciences/advising/three-divisions-in-arts-sciences.html>

<sup>g</sup> Culminating Undergraduate Experience (CUE) are required courses that support students' abilities to make discoveries and connections as they apply critical thinking and disciplinary knowledge to authentic issues prior to graduation. For more information, see <http://louisville.edu/ideastoaction/about/cue>.

Only 60 hours in the major department may be applied toward the Bachelor of Science degree.

Students who place into a JCTC Pathways mathematics course must enroll in the course during their first university semester and enroll each subsequent semester in the appropriate developmental mathematics course until successfully completing this required series of courses.