

GIS Internships in the Campus Community

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WKU GIS Programs

- Certificate in GIS
- Graduate Certificate in GIScience
- Minor in GIS
- Bachelor of Science in GIScience
- Master of Science in Geoscience



Core Courses (14 Credit Hours)

- GEOG 316 Fundamentals of GIS (4hrs)
- GEOG 317 GIS (4hrs)
 - Requires prerequisite of GEOG 316
- GEOG 417(G) GIS Analysis & Modeling (3hrs)
 - Requires prerequisite of GEOG 317
- GEOG 419(G) GIS Programming (3hrs)
 - Requires prerequisite of GEOG 317
 - Requires prerequisite of CS 170 "Python"



Bachelor of Science in GIScience

(First graduate of program in May 2011)

- All courses in both GIS Certificate & GIS minor
- Additional required courses
 - Math 118 College Algebra and Trigonometry
 - Math 183 Intro to Statistics
 - GEOG 391 Data Analysis & Interpretation
 - CE 160/161 Surveying I and Surveying I Lab
 - CS 180 Programming I "Java"
 - GEOG 300 Geographic Research
- GEOG 495 Internship
- No minor required although students are encouraged to minor in Land Surveying, Computer Science or CIS.



Bachelor of Science in GIScience

(First graduate of program in May 2011)

- GEOG 414 Remote Sensing
- GEOG 418 Internet GIS
- GEOG 423 Urban GIS Applications
- GEOG 443 Spatial Database Management
- GEOG 492 Advanced Spatial Analysis
- GEOG 499 Professional Preparation



Past Internship Opportunities

- WKU
 - Dept. of Planning, Design, and Construction
 - Baker Arboretum
- Kentucky Climate Center
- Barren River Area Development District
- Land Surveying Firm
- Property Value Administrator's Office (PVA)



WKU PDC

- GISP Supervisor
- GPS Trimble Geo-XT and Geo-XH
 - GPS Analyst
 - GPS Correct
- Stormwater infrastructure
 - Updating
 - Creating
 - Network
 - Attributes
- Slope Analysis
- ArcSDE
- Aerial Photos



WKU Baker Arboretum

- Tree inventory
- Teaching
- End Users



Kentucky Climate Center

- Supervisor: Kentucky State Climatologist
- Create flash flood climatology for entire Appalachian region.
- Creating a GIS workflow
- Spatial Analysis with ArcGIS to produce information.
- Map Automation (Python)



BRADD

- Supervisor: Associate Director of Planning and Development Services
- Hazard mitigation plan.
- Creating large format maps for county meetings.



Land Surveying Firm

- Supervisor: Professional Land Surveyor
- Integrating GIS into a surveying firm.



PVA

- Supervisor: Property Value Administrator
- Transition to GIS
- Training



Where did they go?

- ESRI
 - Desktop Support Analyst
- WKU PDC
 - GIS Project Manager
- WKU FM
 - Campus Infrastructure and Data Specialist
- Local Surveying Firm in Bowling Green
 - GIS Coordinator and Surveying Technician
- Green River Area Development District
 - GIS Analyst
- Veolia Water North America
 - GIS Technician

