College of Social & Behavioral Sciences

Geographic Information Systems Technologies (B.S.)
2023 Catalog Grad Plan
(Pima Community College to UArizona)

GENERAL EDUCATION

COMPOSITION:
WRT 101 & WRT 102

MATH:
MAT 142 or MAT 151

AGEC-A: (Complete appropriate PCC Courses)
Arts and Humanities
Social and Behavioral Sciences
Physical & Biological Sciences
Intensive Writing, Critical Inquiry
Cultural Diversity (Ethnic/Race/Gender) Awareness
Global Awareness
Other Requirements

SECOND LANGUAGE:
0-20 units as needed to meet 2nd Semester Proficiency
_____
_____

B.S. GEOGRAPHIC INFORMATION SYSTEMS TECHNOLOGIES

CORE CLASSES: (18 Units)
GIST 214: Introduction to Map Science
GIST 314: Cartographic Design and Production
GIST 330: Introduction to Remote Sensing
GIST 417: Geographic Information Systems
GIST 419: Cartographic Modeling for Natural Resources
GIST 420: Advanced GIS

ADVANCED METHODS: (15 units)
GIST 413: GIST Programming I
GIST 416E: Geovisualization
GIST 457: Statistical Techniques in Geography, Regional Development, & Planning
GIST 482: Integrated Geospatial Technologies
GIST 483: Geographical Applications of Remote Sensing

THESIS/CAPSTONE REQUIREMENT: (3 Units)
GIST 498: Senior Capstone

ELECTIVES: (6 units)
GIST 414: Web-Mobile GIS
GIST 415: Open Source GIS
GIST 422: Resource Mapping Using Unmanned Aerial Systems
GIST 470: Geo-database
_____
_____

Upper-Division (300-499): _____ / 36 units
Total Units: _____ / 42 units

GIST Department Website: https://gis.arizona.edu/
GIST Major Website: https://gis.arizona.edu/bs-gist-degree-requirements

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MINOR or 2nd MAJOR

ADDITIONAL ELECTIVES
(if needed to reach 120/56/42 UD)

	Completed	(UD = 300-499)
Recommend 64 Units (from PCC)	/64	
Required 56 Units (UA)		
Required 120 Total Units (PCC/UA)		
Required 42 UD Units (UA)		