*Texas A&M GIST – Earth Systems Analysis (ESA) track starts at Brookhaven College*

**The Geography Department in the College of Geosciences at Texas A&M welcomes transfer students from Brookhaven College! Within the Geography Department, prospective transfer students can apply to either Geography or Geographic Information Science Technology (GIST). For a variety of reasons, many students opt for the transfer path to Texas A&M’s College of Geosciences, and that is perfectly fine. It is important to understand how transfer applicants are reviewed for admission; therefore, following this pathway will help put you on your way to Texas A&M – *the pathway that started at* *Brookhaven College!***

How can ***you*** be admitted?

**Automatic**

Minimum 3.0 GPA

Successfully completed:

* 2 appropriate mathematics courses
* 1 appropriate science course
* 1 geosciences course

**Case-by-case**

Minimum 2.5 GPA

Successfully completed and/or enrolled in any combination of the following:

* 2 appropriate mathematics course
* 1 appropriate science course
* 1 geosciences course

**Review**

Minimum 2.5 GPA

Successfully completed and/or enrolled in any combination of the following:

* 1 appropriate mathematics or science course
* 1 geosciences course

Applicant’s transcript(s), résumé, and essay will be thoroughly reviewed

**SAMPLE SCHEDULE**

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| **SEMESTER 1** | **Hrs.** |
| ENGL 1301  | 3 |
| MATH 1324 | 3 |
| HIST 1301 | 3 |
| GEOG 1301 or 1302 | 3 |
| Lab Science\* | 4 |
| Total Hours | 16 |

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| --- | --- |
| **SEMESTER 2** | **Hrs.** |
| ENGL 1302 | 3 |
| MATH 1425 | 3 |
| HIST 1302 | 3 |
| GEOG 1301 or 1302 | 3 |
| Lab Science\* | 4 |
| Total Hours | 16 |

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| **SEMESTER 3** | **Hrs.** |
| ENGL 2332 | 3 |
| GOVT 2305 | 3 |
| SPCH 1315 | 3 |
| ARTS 1301 | 3 |
| General elective (math, science or computer sci) | 3 |
| Total Hours | 15 |

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| **SEMESTER 4** | **Hrs.** |
| GOVT 2306 | 3 |
| PSYC 2301 | 3 |
| GISC 1411 | 4 |
| PHED 1164 | 1 |
| General elective | 3 |
| Total Hours | 14 |

**AS Degree completed at Brookhaven College**

**MILESTONES**

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| **SEMESTER 1 – Be curious** |
| Meet with advisor to identify TAMU Geoscience major |
| Establish a good GPA |
| Plan to fit in 1 year of foreign language if requirement was not met in high school |

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| **SEMESTER 2 – Show initiative** |
| Decide when to apply to chosen major in TAMU College of Geosciences |
| Contact your TAMU major advisor  |
| Find Internships/Co-ops/Volunteer work |
| Begin to consider Study Abroad opportunities |

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| **SEMESTER 3 – Make connections** |
| Meet with your TAMU major advisor  |
| Compose résumé for review |
| Register for AggiExternships |

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| **SEMESTER 4 – Aggies Commit** |
| Meet with your TAMU major advisor  |
| Meet with a faculty member to formulate Undergraduate Research |

*From Brookhaven College to Texas A&M*

 *Pathway to GIST – Earth Systems Analysis*

**SAMPLE SCHEDULE**

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| --- | --- |
| **SEMESTER 5** | **Hrs.** |
| GEOG 332 or 232(Cartography & Visualization) | 3 |
| GEOG 324, 331 OR 335 | 3 |
| GEOG 304, 306, 311 | 3 |
| STAT 303 | 3 |
| GEOG 213 Planet Earth Lab | 1 |
| Total Hours | 13 |

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| **SEMESTER 6** | **Hrs.** |
| GEOG 352 | 3 |
| GEOG 475 | 4 |
| GEOG 304, 306, 311 or 401 | 3 |
| GEOG 312 | 3 |
| Track Elective | 3 |
| Total Hours | 16 |

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| **SEMESTER 7** | **Hrs.** |
| GEOG 361 | 4 |
| GEOG 477 or 479 | 4 |
| Track elective | 3 |
| Directed Electives | 6 |
| Total hours | 17 |

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| **SEMESTER 8** | **Hrs.** |
| GEOG 477 or 479 | 4 |
| GEOG 476 | 3 |
| ESSM 459 (Spatial Databases) | 3 |
| Directed Elective | 3 |
| Total hours | 13 |

\*Science Sequences:

1) BIOL 1406 & 1407 or BIOL 1411 & 1413

2) CHEM 1411 & 1412

3) GEOL 1403 & 1404

4) PHYS 1401 & 1402

**MILESTONES**

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| **SEMESTER 5** |
| Meet with your major advisor to complete a degree plan |
| Create Career Center profile |
| Apply for summer internships |
| Join a student organization or two |
| Connect with at least one faculty member to serve as your mentor |

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| **SEMESTER 6** |
| Declare a minor, if desires |
| Meet with Career Center for mock interview |
| Attend Career Fairs |
| Attend professional conferences |

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| **SEMESTER 7** |
| Complete a Pre-Graduation Check |
| Apply for full time jobs or graduate schools |
| Apply for your Aggie Ring |

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| **SEMESTER 8** |
| Apply for graduation in 1st two weeks |

**Employment Information**

*The U.S. Bureau of Labor Statistics projects an overall 22% increase in geoscience-realted occuptations by 2018, well above the national average growth rate for all U.S. occupations.*

Representative Job Titles Related to this Major:Cartographer, GIS and mapping, GPS and remotely sensed data, Consultant, Environmental advocate, Intelligence analyst, Analyst, Urban Planner, Teacher.

Representative Employers: GIS and mapping-realted agencies, federal/state/local government, Environmental Protection Agency, Central Intelligence Agency, military, consulting companies, schools and universities.

Salary information: Association of American Geographers (<http://www.aag.org/cs/salarydata>)



Texas A&M Academic Advisor for this major: Kristi Wolff