

BS in Geoscience Computing (745) Option 3 - CS & GIS for Geoscientists

Catalog Year
2016 - 2017

General Information:

Academic Advising has provided a **recommended graduation plan** for every major we offer.

- This plan is built to meet the University's minimum credit requirement (120 credits for a bachelor's degree and 60 for an associate) in 8 semesters or less. Each plan includes all required courses, including Foundations and major as well as emphasis, minor or clusters (if applicable). The plan may also include elective courses to meet the credit requirement.

| Semester 1 | Credits | Semester 2 | Credits | Semester 3 (Fall) | Credits | Semester 4 (Winter) | Credits |
|--------------------------------|--------------|--|--------------|------------------------|--------------|-----------------------|-----------|
| GEOL 111 & 111L or Geol 109 | 4 | *GEOL 112 or GEOL 351 | 3-4 | *GEOL 112 or GEOL 351 | 3-4 | GEOL 340 | 3 |
| MATH 109 or FDMAT 112 | 4-5 | CHEM 105 | 4 | FDAMF 101 or FDCIV 101 | 3 | CS 165 | 3 |
| FDSCI 101 | 2 | FDENG 101 | 3 | FDREL 250 | 2 | **FDMAT 108 | 3 |
| FDREL 200 | 2 | FDREL 225 | 2 | Elective | 3 | FDREL 275 | 2 |
| Elective | 2 | Elective | 2 | CS 124 | 3 | Elective | 4 |
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| Total Credits | 14-15 | Total Credits | 14-15 | Total Credits | 14-15 | Total Credits | 15 |
| Semester 5 (Fall) | Credits | Semester 6 (Winter) | Credits | Off-Track | Credits | Semester 7 (Fall) | Credits |
| GEOL Supplemental | 3 | GEOL Supplemental | 3 | GEOL 498R | 1 | GIS Cluster Elective | 3 |
| MATH 221B | 3 | CS Cluster Elective | 3 | | | CS Cluster Elective | 3 |
| GIS Cluster Elective | 3 | Cultural Awareness | 3 | | | Elective | 4 |
| GEOL 440R | 3 | FDREL Elective | 2 | | | FDENG 301 or GEOL 316 | 3 |
| Cultural Awareness | 3 | Elective | 3 | | | FDREL Elective | 2 |
| | | GEOL 341 | 1 | | | | |
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| Total Credits | 15 | Total Credits | 15 | Total Credits | 1 | Total Credits | 15 |
| Semester 8 (Winter) | Credits | Special Instructions | | | | | |
| GEOL Supplemental | 3 | <i>*If Semester 2 is Winter, take GEOL 112; if it is Fall, take GEOL 351. Take the other class in Semester 3.</i> | | | | | |
| IDS 499 | 2 | <i>**Students who take FDMAT 112 do not take FDMAT 108.</i> | | | | | |
| GIS Cluster Elective | 3 | <i>~Students will complete the FDSCI Option C requirement. This will be completed with FDSCI 101 and a combination of CHEM 105 and GEOL 111.</i> | | | | | |
| FDREL Elective | 2 | | | | | | |
| Elective | 5 | | | | | | |
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| Total Credits | 15 | | | | | | |