

**College of Geosciences
Texas &M University
Bachelor of Science in Geophysics
Catalog 134**

STUDENT: _____

DEPARTMENT: GEOP

| Course | # | Semester | Subject | HRS |
|--------|---|----------|---------|-----|
|--------|---|----------|---------|-----|

| GEOPHYSICS MAJOR COURSE WORK 41 HRS. | | | | |
|---|---------|--|-----------------------------|---|
| GEOL | 101/104 | | Principles of Geology | 4 |
| GEOL | 106 | | Historical Geology | 4 |
| GEOL | 203 | | Mineralogy | 4 |
| GEOL | 302 | | Intro to Petrology | 4 |
| GEOL | 309 | | Intro to Geol Field | 3 |
| GEOL | 311 | | Geological Writing | 1 |
| GEOL | 312 | | Structural & Tetonics | 4 |
| GEOP | 341 | | Intro. To Global Geophysics | 3 |
| GEOP | 413 | | Intro. To Geophysics | |
| GEOP | 421 | | Petro. Seismology | |
| GEOP | 435 | | Meth.of GEOP Expl. | |
| GEOP | 470 | | Comp. Meth in G&G | |

| SUPPORTING COURSEWORK 15HRS. | | | | |
|--|--|--|---------------------|---|
| Tech elect. any Science, Math or Engineering course | | | | |
| CSCE | | | Computer Sci. elect | 3 |
| TECH | | | | 3 |
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| TECH | | | | 3 |
| TECH | | | | 3 |

| COMMUNICATION 6 HRS.* | | | | |
|------------------------------|-----|--|------------------|---|
| ENGL | 104 | | Comp. & Rhetoric | 3 |
| | | | | 3 |

| MATHEMATICS 20 HRS. | | | | |
|----------------------------|-----|--|------------------------|---|
| MATH | 151 | | Engr. Math I | 4 |
| MATH | 152 | | Engr. Math II | 4 |
| MATH | 251 | | Engr. Math III | 3 |
| MATH | 308 | | Differential Equations | 3 |
| MATH | 311 | | Topics in Applied Math | 3 |
| MATH | 412 | | Theory in Part. Dif. Q | 3 |

| NATURAL SCIENCE 15 HRS. | | | | |
|--------------------------------|-----|--|---------------------------|---|
| CHEM | 107 | | Gen.Chem. for Engs. Stud. | 3 |
| CHEM | 117 | | Gen Chem Lab | 1 |
| PHYS | 218 | | Mechanics | 4 |
| PHYS | 221 | | Optics & Thermal | 3 |
| PHYS | 208 | | Elect. & Optics | 4 |

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| HUMANITIES 3 HRS. * | | | | |
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| | | | | 3 |

| VISUAL & PERFORMING ARTS 3 HRS.* | | | | |
|---|--|--|--|---|
| | | | | 3 |

| SOCIAL & BEHAVIORAL SCIENCE 3 HRS.* | | | | |
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| | | | | 3 |

| CITIZENSHIP 12 HRS.* | | | | |
|-----------------------------|-----|--|---------------------|---|
| HIST | 105 | | Hist. of the US | 3 |
| HIST | 106 | | Hist. of the US | 3 |
| POLS | 206 | | Amer. Natl. Govt. | 3 |
| POLS | 207 | | State & Local Govt. | 3 |

| KINESIOLOGY/HEALTH & FITNESS 2 HRS.* | | | | |
|---|-----|--|-------------------|-------|
| KINE | 199 | | Physical Activity | 1 S/U |
| KINE | 198 | | Health & Fitness | 1 |

TOTAL HOURS FOR DEGREE 120

*Other requirements to be satisfied (see Core Curriculum and Degree Information section of catalog 134 which can be found on pages 15-21).

Residency Requirement pg. 26

36 hours of 300-400 level course work successfully completed in residence at TAMU and 12 must be in the major.

Foreign Language requirement pg.25

Two units of the same foreign language high school or one year in college or demonstrate proficiency by examination.

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International & Cultural Diversity requirement

6 hours chosen from the Core Curriculum section of catalog 134.

| INTERNATIONAL & CULTURAL DIVERSITY 6 HRS * | | | | |
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| | | | | 3 |
| | | | | 3 |

Writing Intensive Requirements pg. 25

At least 2 courses in the major must be a 900 section.

| WRITING INTENSIVE COURSES 900 SECTIONS | | | | |
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