# 2014-2016 Catalog Paradigm
## Geology

### First Year

| 1. | GEOL 105 (C-PN) |
| 2. | MATH 131 (C-QR)  
   Prereq – 4 yrs college prep math in HS or MATH 115 |
| 3. | THRS 117 (C-TF) |
| 4. | PHIL 120 (C-PF) |
| 5. | Core Curriculum |
| 6. | Elective/Minor |
| 7. | Elective/Minor |
| 8. | Elective/Minor |

### Second Year

| 1. | CHEM 105 (C-PN) (1\textsuperscript{st} semester)  
   Prereq – one year of HS Chemistry, Math placement above MATH 102 |
| 2. | CHEM 107 (2\textsuperscript{nd} semester)  
   Prereq – CHEM 105 or instructor’s consent |
| 3. | GEOL 225  
   Prereq – GEOL 105 |
| 4. | GEOL 300  
   Prereq – GEOL 105 |
| 5. | Core Curriculum |
| 6. | Core Curriculum |
| 7. | Elective/Minor |
| 8. | Elective/Minor |

### Third Year

| 1. | PHYS 111 or 121 (1\textsuperscript{st} semester)  
   Coreq – for PHYS 121 – MATH 131 or equivalent |
| 2. | PHYS 112 or 122 (2\textsuperscript{nd} semester)  
   Prereq – for PHYS 122 – PHYS 121 and MATH 131; for PHYS 112 – PHYS 111 |
| 3. | GEOL 320  
   Prereq – GEOL 300 |
| 4. | GEOL Elective |
| 5. | Core Curriculum |
| 6. | Core Curriculum – Advanced Requirement |
| 7. | Elective/Minor |
| 8. | Elective/Minor |

### Fourth Year

| 1. | GEOL 322  
   Prereq – GEOL 105 AND GEOL 300. GEOL 301 and 320 are strongly recommended |
| 2. | GEOL 325  
   Prereq – GEOL 105, GEOL 300, GEOL 320 |
| 3. | GEOL 450  
   Prereq – declared Geology major and approval of field course by the Geology discipline |
| 4. | GEOL Elective |
| 5. | Core Curriculum – Advanced Requirement |
| 6. | Core Curriculum – Advanced Requirement |
| 7. | Elective/Minor |
| 8. | Elective/Minor |

Elective/Minor courses can be used to take additional core curriculum courses, major courses, free electives, or to fulfill a minor.

This paradigm assumes that you will meet the second language competency by taking a language at the 102 level. If you need to start at 101, then one of the electives will be used for that course.
Required Courses:

- GEOL 105 – Geology
- GEOL 225 – Hydrogeology
- GEOL 300 – Mineralogy
- GEOL 320 – Petrology
- GEOL 322 – Sedimentology and Stratigraphy
- GEOL 325 – Structural Geology
- GEOL 450 – Geology Field Camp
- CHEM 105 – General Chemistry 1
- CHEM 107 – General Chemistry 2
- PHYS 111 – Fundamentals of Physics 1 or PHYS 121 – General Physics 1
- PHYS 112 – Fundamentals of Physics 2 or PHYS 122 – General Physics 2
- MATH 131 – Calculus and Analytic Geometry 1

2 from the following:

- GEOL 250, GEOL 275, GEOL 280, GEOL 330, GEOL 350, GEOL 389, GEOL 428, GEOL 490, GEOL 492, GEOL 496, BIOL 430

All Geology majors are required to attend a summer geology field camp (typically five to six weeks long) usually taken between the junior and senior years (GEOL 450).

Senior thesis (GEOL 496) and a second semester of Calculus and Analytic Geometry (MATH 132) are strongly recommended for those students who plan to attend graduate school.

The following courses meet the GEOL major and Core Curriculum requirements:
- GEOL 105 – C-PN
- CHEM 105 – C-PN
- PHYS 111/121 – C-PN
- MATH 131 – C-QR
Core Curriculum (2014-2016)

Foundations – to be taken during a student’s first year

☐ TF – Theological Foundations

THRS 117, Other ______________

☐ PF – Philosophical Foundations

PHIL 120, Other ______________

Required by the end of the second year

☐ WI – Writing Intensive – Writing intensive courses may be drawn from any of the Foundations courses or from any of the General Core Requirements courses at the 100 or 200 level.

Any course designated C-WI (course, section, semester) ______________, ENGL 101, ENGL 150, ENGL 221, FREN 305, GERM 304, HONR 100, HUMA 100, , Other ______________

☐ QR - Quantitative Reasoning

CSCI 110, CSCI 150, MATH 123, MATH 124, MATH 131, MATH 132, MATH 212, MATH 220, SSCI 224, Other ______________

Required by the end of the third year

☐ SL – Language Competency – SNC courses - French, German, Hebrew, Japanese, Latin, Greek, Spanish at the 102 level. Requirement can be met by placement testing at the 203 level or beyond, transferring in an approved course at the 102 level or beyond, or successfully taking a course at the 102 level.

FREN 102, GERM 102, GREK 112, HEBR 102, JAPN 102, CLAS (Latin) 102, CLAS (Greek) 112, LATN 102, SPAN 102, SPAN 103, Other (Transfer) ________________,

Or Placement Score > 349 (indicate score) ______________
General Core Requirements – can be taken any time,
Advanced Requirements – to be taken during a Junior or Senior year – three courses, any General Core Requirement courses at the 300 or 400 level

☐ BB – Beyond Borders

ENGL 228, FREN 252, GEOG 140, HIST 118, HIST 120, HIST 122, HIST 130, HUMA 280, INTL/POLI 150, PHIL/THRS 265, SSCI 129, Other ______________

Advanced - CLAS 335, COME 343, ECON 357, ENGL 356, FREN 375, GEOG 363, GERM 376, JAPN 375, NSCI 310, NSCI 348, PEAC/POLI 352, POLI 362, POLI 368, POLI 410, SPAN 365, SPAN 370, SPAN 375, THRS 339, THRS 340, THRS 343, Other ______________

☐ CI - Catholic Imagination

ENGL 240, HUMA 215, THRS 201, THRS 219, Other ______________

Advanced - CLAS/THRS 327, HUMA 337, PEAC/THRS/WMGS 318, PEAC/THRS 333, THRS 310, THRS 312, THRS 314, THRS 316, THRS 320, THRS 322, THRS 325, THRS 338, THRS 350, THRS 355, THRS 360, THRS 361, THRS 433, Other ______________

☐ DD – Difference and Diversity

AMER/HIST 114, AMER/HIST 115, AMER/THRS 221, AMER/HUMA 261, ENGL 221, GEOG 155, GEOG 225, HUMA/WMGS 110, POLI 232, Other ______________

Advanced - AMER/MUSI 318, COME 330, HIST 368, HUMA 301, HUMA 422, SOCI/WMGS 346, SSCI 408, Other ______________

☐ EI – Expression and Interpretation

ART 141, ART 144, ART 145, ART 205, ENGL 150, ENGL 203, HUMA 100, MUSI 150, MUSI 176, THEA 101, THEA 102, THEA 237, WOLT 210, Other ______________

Advanced - CLAS/PHIL 334, FREN 305, GERM 304, GERM 305, HUMA 313, MUSI/PHIL 336, SPAN 301, SPAN 302, Other ______________

☐ IS – Individual and Society

AMER/POLI 130, BUAD 180, ECON 101, ECON 102, EDUC 130, LEAD 200, PSYC 100, SOCI 100, Other ______________

Advanced - CSCI 310, POLI 310, Other ______________

☐ PN – Physical and Natural World

BIOL 105, BIOL 106, BIOL 108, CHEM 100, CHEM 105, EDUC/GEOL 287, GEOG 120, GEOG 105, GEOG 107, GEOG 109, GEOG 115, PHYS 100, PHYS 111, PHYS 121, PHYS 141, Other ______________

Advanced - ENVS 300, NSCI 358, SSCI 301, Other ______________

☐ WT – Western Tradition

AMER/MUSI 184, ART 110, ART 112, ART 115, BIOL 107, ENGL 212, HIST 112, HIST 113, HUMA 240, PHIL 250/THRS 255, Other ______________

Advanced - AMER/PHIL 305, CLAS/WOLT 325, COME/POLI 329, ECON 300, ENGL 321, ENGL 385, FREN 328, GERM 375, HIST 345, HIST 350, HIST 370, HUMA 403, HUMA 411, HUMA 422, MUSI 315, PHIL 310, PHIL 330, SOCI 352, THEA 337, WOLT 320, Other ______________