

Name _____ Advisor _____
 MSU ID# _____

**PALEONTOLOGY OPTION
 CURRICULUM CHECKING SHEET
 (2008-2010 Catalog)**

OLD ----- Courses REQUIRED by the Department ----- NEW

| Rubric # | Core Course Title | Rubric # | Course Title | CRED. | SEM. TAKEN | GRADE |
|---------------------------------------------------------------------------------------------------------------|--------------------------------|----------|-------------------------------------|------------|------------|-------|
| FRESHMAN YEAR | | | | | | |
| CHEM 131 | N General Chemistry I | CHMY 141 | College Chemistry I | 4 | | |
| CHEM 132 | N General Chemistry II | CHMY 143 | College Chemistry II | 4 | | |
| ESCI 111 | N Physical Geology | GEO 101 | Intro to Physical Geology & lab | 4 | | |
| ESCI 112 | N Physical Geography # | GPHY 111 | Intro to Physical Geography & lab | 4 | | |
| GEOL 210 | Historical Geology | GEO 211 | Earth History and Evolution w/o lab | 3 | Spr | |
| MATH 181 | Q Calculus/Anal. Geom. I | M 171 | Calculus I | 4 | | |
| MATH 182 | Q Calculus/Anal. Geom. II | M 172 | Calculus II | 4 | | |
| | University core or elective | | | 3 | | |
| | TOTAL | | | 30 | | |
| SOPHOMORE YEAR | | | | | | |
| BIOL 101 | N Biology of Organisms | | (no change) | 4 | | |
| ESCI 307 | Principles of Geomorphology | ERTH 307 | Principles of Geomorphology | 4 | Fall | |
| GEOG 211 | Introduction to GIS | GPHY 284 | Intro to GIS Science & Cartography | 3 | | |
| GEOG 305 | Intermediate GIS | GPHY 384 | Advanced GIS & Spatial Analysis | 3 | | |
| GEOL 204 | R Mineralogy | GEO 205 | Mineralogy | 4 | Spr | |
| PHYS 205 | N College Physics I | | (no change) | 4 | | |
| PHYS 206 | N College Physics II | | (no change) | 4 | | |
| | University core or elective | | | 4 | | |
| | TOTAL | | | 30 | | |
| # NOTE: Either ESCI 112 OR GEOG 305 may be taken; if ESCI 112 is taken, GEOG 305 may be taken as an elective. | | | | | | |
| JUNIOR YEAR | | | | | | |
| GEOL 306 | Igneous Petrology | GEO 306 | Igneous Petrology | 3 | Fall | |
| GEOL 307 | Sedimentary Petrology | GEO 307 | Sedimentary Petrology | 3 | Fall | |
| GEOL 308 | Metamorphic Petrology | GEO 308 | Metamorphic Petrology | 3 | Spr | |
| GEOL 309 | Sedimentation and Stratigraphy | GEO 309 | Sedimentation & Stratigraphy | 4 | Spr | |
| GEOL 315 | Structural Geology | GEO 315 | Structural Geology | 3 | Spr | |
| STAT 332 | Stat-Scientist & Engr | | (no change) | 3 | | |
| | University core or electives | | | 11 | | |
| | TOTAL | | | 30 | | |
| SUMMER OF JUNIOR OR SENIOR YEAR | | | | | | |
| GEOL 423 | Field Geology | GEO 429 | Field Geology | 6 | Sum | |
| SENIOR YEAR | | | | | | |
| GEOL 433 | Tectonics | GEO 433 | Global Tectonics | 3 | Fall | |
| | University core or electives | | | 21 | | |
| | TOTAL | | | 24 | | |
| | GRAND TOTAL | | | 120 | | |