

Name _____
 MSU ID# _____

Advisor _____

GEOHYDROLOGY OPTION
CURRICULUM CHECKING SHEET
 (2008-2010 Catalog)

Courses REQUIRED by the Department

SEMESTER

| Rubric | # | Core | Course Title | CREDITS | TAKEN | GRADE |
|-----------------------------|-----|------|------------------------|---------|-------|-------|
| FRESHMAN YEAR | | | | | | |
| CHEM | 131 | N | General Chemistry I | 4 | | |
| CHEM | 132 | N | General Chemistry II | 4 | | |
| ESCI | 111 | N | Physical Geology | 4 | | |
| ESCI | 112 | CS | Physical Geography | 4 | | |
| MATH | 181 | M | Calculus & Anl Geom I | 3 | Spr | |
| MATH | 182 | M | Calculus & Anl Geom II | 4 | | |
| University core or elective | | | | 6 | | |
| <i>TOTAL</i> | | | | 30 | | |

SOPHOMORE YEAR

| | | | | | | |
|-----------------------------|-----|---|------------------------|----|-----|--|
| GEOL | 204 | N | Mineralogy | 4 | Spr | |
| GEOL | 210 | | Historical Geology | 3 | Spr | |
| LRES | 201 | | Soil Resource | 3 | | |
| MATH | 224 | M | Calc Funct Sev Varib | 4 | | |
| MATH | 225 | N | Intro to Diff Equation | 4 | | |
| | | | Gen & Mod Phys I | | | |
| PHYS | 211 | N | | 4 | | |
| | | | Gen & Mod Phys II | | | |
| PHYS | 212 | N | | 4 | | |
| University core or elective | | | | 4 | | |
| <i>TOTAL</i> | | | | 30 | | |

JUNIOR YEAR

| | | | | | | |
|------|------------|--|------------------------------------|---|------|--|
| | | | Prin of Geomorpho logy | | | |
| ESCI | 307 | | Weather and Climate | 4 | Fall | |
| GEOG | 303 | | Igneous Petrology OR Met Pet | 3 | Fall | |
| GEOL | 306 or 308 | | | 3 | | |
| GEOL | 307 | | Sedimentary Petrology | 3 | Fall | |

| | | | | | | |
|------------------------------|-----|--|-----------------------|----|-----|--|
| GEOL | 309 | | Sedimentation & Strat | 4 | Spr | |
| GEOL | 315 | | Structural Geology | 4 | Spr | |
| STAT | 332 | | Stat-Scientist & Engr | 3 | | |
| University core or electives | | | | 6 | | |
| <i>TOTAL</i> | | | | 30 | | |

Courses REQUIRED by the Department

SEMESTER

Rubric # Core Course Title CREDITS TAKEN GRADE

SUMMER OF JUNIOR *OR* SENIOR YEAR

| | | | | | | |
|--------------|-----|--|---------------|---|----|--|
| GEOL | 423 | | Field Geology | 6 | Su | |
| <i>TOTAL</i> | | | | 6 | | |

SENIOR YEAR

| | | | | | | |
|-------------|------------|---|-------------------------------|----------|-------------|--|
| BIOL | 101 | N | Biology of Organisms | 4 | | |
| <i>ESCI</i> | 432 | | <i>Surface Water Resource</i> | 3 | <i>Fall</i> | |
| ESCI | 440 | | Groundwater Resource | 3 | Fall | |

Select *TWO* of the four courses below

| | | | | | | |
|------|-----|--|------------------------|---|-----|--|
| ESCI | 450 | | Snow Dynamics and Acc | 3 | Spr | |
| LRES | 444 | | Watershed Hydrology | 3 | | |
| LRES | 445 | | Watershed Analysis | 3 | | |
| LRES | 453 | | Soil and Environmental | 3 | | |

| | | | | | | |
|------------------------------|--|--|--|------------|--|--|
| University core or electives | | | | 8 | | |
| <i>TOTAL</i> | | | | 24 | | |
| GRAND TOTAL | | | | 120 | | |

numbered 300 or above.

the first year of the cycle (e.g., 2008-9) and *ITALICIZED* courses are planned to be offered in the