

**MDS 316 BS Geology Div A**

Yr 1 FL	C Environmental U200 Dynamic Earth	4.0 SH
Yr 1 FL	C Environmental U201 Lab for Environmental U200	1.0 SH
Yr 1 FL	C MTH U141 Calculus 1	4.0 SH
Yr 1 FL	C CHM U211 General Chemistry 1	4.0 SH
	Coreq(s): C CHM U212 C CHM U213	
Yr 1 FL	C CHM U212 Lab for CHM U211	1.0 SH
	Coreq(s): C CHM U211 C CHM U213	
Yr 1 FL	C CHM U213 Recitation for CHM U211	0.0 SH
	Coreq(s): C CHM U211 C CHM U212	
Yr 1 FL	BS Core Course	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 1 SP	C Environmental U220 History of Earth and Life	4.0 SH
Yr 1 SP	C Environmental U221 Interpreting Earth History	1.0 SH
Yr 1 SP	C MTH U142 Calculus 2	4.0 SH
Yr 1 SP	C CHM U214 General Chemistry 2	4.0 SH
	Coreq(s): C CHM U215 C CHM U216	
Yr 1 SP	C CHM U215 Lab for CHM U214	1.0 SH
	Coreq(s): C CHM U214 C CHM U216	
Yr 1 SP	C CHM U216 Recitation for CHM U214	0.0 SH
	Coreq(s): C CHM U214 C CHM U215	
Yr 1 SP	C ENG U111 College Writing	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 FL	C Environmental U310 Earth Materials	4.0 SH
	Coreq(s): C Environmental U311	
Yr 2 FL	C Environmental U311 Lab for Environmental U310	1.0 SH
	Coreq(s): C Environmental U310	
Yr 2 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 2 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 2 FL	C GEO U540 Sedimentary Basin Analysis	4.0 SH
	Coreq(s): C GEO U541	
Yr 2 FL	C GEO U541 Lab for GEO U540	1.0 SH
	Coreq(s): C GEO U540	
Yr 2 FL	C ENG U301 Advanced Writing in Discipline	4.0 SH
	Semester Subtotal .....	19.0 SH
Yr 2 SP	C GEO U320 Ign Petrology & Volcanology	4.0 SH
	Coreq(s): C GEO U321	
Yr 2 SP	C GEO U321 Lab for GEO U320	1.0 SH
	Coreq(s): C GEO U320	
Yr 2 SP	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 2 SP	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 2 SP	M COP U101 Professional Development Co-op	1.0 SH
Yr 2 SP	BS Core Course	4.0 SH
Yr 2 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	19.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 S2	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 3 FL	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH

Yr 3 SP	C GEO U530 Structural Geology	4.0 SH
	Coreq(s): C GEO U531	
Yr 3 SP	C GEO U531 Lab for GEO U530	1.0 SH
	Coreq(s): C GEO U530	
Yr 3 SP	BS Core Course	4.0 SH
Yr 3 SP	ENV Undergraduate Elective	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 3 S1	C GEO U400 Field Geology	4.0 SH
Yr 3 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	8.0 SH
Yr 3 S2	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 4 FL	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 4 SP	ENV Undergraduate Elective	4.0 SH
Yr 4 SP	BS Core Course	4.0 SH
Yr 4 SP	ENV Undergraduate Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH
Yr 4 S1	BS Core Course	4.0 SH
Yr 4 S1	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	8.0 SH
Yr 4 S2	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 5 FL	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 5 SP	Science Elective	4.0 SH
Yr 5 SP	ENV Undergraduate Elective	4.0 SH
Yr 5 SP	ENV Undergraduate Elective	4.0 SH
Yr 5 SP	NU Core Course or Elective	4.0 SH
Yr 5 SP	Experiential Ed Seminar	4.0 SH
	Semester Subtotal .....	20.0 SH

**MDS 316 BS Geology Div B**

Yr 1 FL	C Environmental U200 Dynamic Earth	4.0 SH
Yr 1 FL	C Environmental U201 Lab for Environmental U200	1.0 SH
Yr 1 FL	C MTH U141 Calculus 1	4.0 SH
Yr 1 FL	C CHM U211 General Chemistry 1	4.0 SH
	Coreq(s): C CHM U212 C CHM U213	
Yr 1 FL	C CHM U212 Lab for CHM U211	1.0 SH
	Coreq(s): C CHM U211 C CHM U213	
Yr 1 FL	C CHM U213 Recitation for CHM U211	0.0 SH
	Coreq(s): C CHM U211 C CHM U212	
Yr 1 FL	BS Core Course	4.0 SH
	Semester Subtotal .....	18.0 SH

Yr 1 SP	C Environmental U220 History of Earth and Life	4.0 SH
Yr 1 SP	C Environmental U221 Interpreting Earth History	1.0 SH
Yr 1 SP	C MTH U142 Calculus 2	4.0 SH
Yr 1 SP	C CHM U214 General Chemistry 2	4.0 SH
	Coreq(s): C CHM U215 C CHM U216	
Yr 1 SP	C CHM U215 Lab for CHM U214	1.0 SH
	Coreq(s): C CHM U214 C CHM U216	
Yr 1 SP	C CHM U216 Recitation for CHM U214	0.0 SH
	Coreq(s): C CHM U214 C CHM U215	
Yr 1 SP	BS Core Course	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 FL	C Environmental U310 Earth Materials	4.0 SH
	Coreq(s): C Environmental U311	
Yr 2 FL	C Environmental U311 Lab for Environmental U310	1.0 SH
	Coreq(s): C Environmental U310	
Yr 2 FL	C PHY U161 Physics 1	4.0 SH
	Coreq(s): C PHY U162	
Yr 2 FL	C PHY U162 Lab for PHY U161	1.0 SH
	Coreq(s): C PHY U161	
Yr 2 FL	C GEO U540 Sedimentary Basin Analysis	4.0 SH
	Coreq(s): C GEO U541	
Yr 2 FL	C GEO U541 Lab for GEO U540	1.0 SH
	Coreq(s): C GEO U540	
Yr 2 FL	M COP U101 Professional Development Co-op	1.0 SH
Yr 2 FL	BS Core Course	4.0 SH
	Semester Subtotal .....	20.0 SH
Yr 2 SP	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 S1	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 S2	C GEO U400 Field Geology	4.0 SH
Yr 2 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	8.0 SH
Yr 3 FL	C GEO U320 Ign Petrology & Volcanology	4.0 SH
	Coreq(s): C GEO U321	
Yr 3 FL	C GEO U321 Lab for GEO U320	1.0 SH
	Coreq(s): C GEO U320	
Yr 3 FL	C PHY U165 Physics 2	4.0 SH
	Coreq(s): C PHY U166	
Yr 3 FL	C PHY U166 Lab for PHY U165	1.0 SH
	Coreq(s): C PHY U165	
Yr 3 FL	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 3 FL	BS Core Course	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 3 SP	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 3 S1	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 3 S2	BS Core Course	4.0 SH
Yr 3 S2	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	8.0 SH

Yr 4 FL	ENV Undergraduate Elective	4.0 SH
Yr 4 FL	BS Core Course	4.0 SH
Yr 4 FL	ENV Undergraduate Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH
Yr 4 SP	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 4 S1	CO-OP	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 4 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 5 FL	ENV Undergraduate Elective	4.0 SH
Yr 5 FL	ENV Undergraduate Elective	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
Yr 5 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH
Yr 5 SP	C GEO U530 Structural Geology	4.0 SH
	Coreq(s): C GEO U531	
Yr 5 SP	C GEO U531 Lab for GEO U530	1.0 SH
	Coreq(s): C GEO U530	
Yr 5 SP	Science Elective	4.0 SH
Yr 5 SP	ENV Undergraduate Elective	4.0 SH
Yr 5 SP	BS Core Course	4.0 SH
Yr 5 SP	Experiential Ed Seminar	4.0 SH
	Semester Subtotal .....	21.0 SH

---

**MDS 316 BS Geology Div C**

Yr 1 FL	C Environmental U200 Dynamic Earth	4.0 SH
Yr 1 FL	C Environmental U201 Lab for Environmental U200	1.0 SH
Yr 1 FL	C MTH U141 Calculus 1	4.0 SH
Yr 1 FL	C CHM U211 General Chemistry 1	4.0 SH
	Coreq(s): C CHM U212 C CHM U213	
Yr 1 FL	C CHM U212 Lab for CHM U211	1.0 SH
	Coreq(s): C CHM U211 C CHM U213	
Yr 1 FL	C CHM U213 Recitation for CHM U211	0.0 SH
	Coreq(s): C CHM U211 C CHM U212	
Yr 1 FL	BS Core Course	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 1 SP	C Environmental U220 History of Earth and Life	4.0 SH
Yr 1 SP	C Environmental U221 Interpreting Earth History	1.0 SH
Yr 1 SP	C MTH U142 Calculus 2	4.0 SH
Yr 1 SP	C CHM U214 General Chemistry 2	4.0 SH
	Coreq(s): C CHM U215 C CHM U216	
Yr 1 SP	C CHM U215 Lab for CHM U214	1.0 SH
	Coreq(s): C CHM U214 C CHM U216	
Yr 1 SP	C CHM U216 Recitation for CHM U214	0.0 SH
	Coreq(s): C CHM U214 C CHM U215	
Yr 1 SP	BS Core Course	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH

Yr 2 FL	C Environmental U310 Earth Materials Coreq(s): C Environmental U311	4.0 SH
Yr 2 FL	C Environmental U311 Lab for Environmental U310 Coreq(s): C Environmental U310	1.0 SH
Yr 2 FL	C PHY U161 Physics 1 Coreq(s): C PHY U162	4.0 SH
Yr 2 FL	C PHY U162 Lab for PHY U161 Coreq(s): C PHY U161	1.0 SH
Yr 2 FL	C GEO U540 Sedimentary Basin Analysis Coreq(s): C GEO U541	4.0 SH
Yr 2 FL	C GEO U541 Lab for GEO U540 Coreq(s): C GEO U540	1.0 SH
Yr 2 FL	BS Core Course	4.0 SH
	Semester Subtotal .....	19.0 SH
Yr 2 SP	C GEO U320 Ign Petrology & Volcanology Coreq(s): C GEO U321	4.0 SH
Yr 2 SP	C GEO U321 Lab for GEO U320 Coreq(s): C GEO U320	1.0 SH
Yr 2 SP	C PHY U165 Physics 2 Coreq(s): C PHY U166	4.0 SH
Yr 2 SP	C PHY U166 Lab for PHY U165 Coreq(s): C PHY U165	1.0 SH
Yr 2 SP	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 2 SP	BS Core Course	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 3 FL	ENV Undergraduate Elective	4.0 SH
Yr 3 FL	BS Core Course	4.0 SH
Yr 3 FL	BS Core Course	4.0 SH
Yr 3 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH
Yr 3 SP	C GEO U530 Structural Geology Coreq(s): C GEO U531	4.0 SH
Yr 3 SP	C GEO U531 Lab for GEO U530 Coreq(s): C GEO U530	1.0 SH
Yr 3 SP	BS Core Course	4.0 SH
Yr 3 SP	ENV Undergraduate Elective	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 3 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 3 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 4 FL	ENV Undergraduate Elective	4.0 SH
Yr 4 FL	ENV Undergraduate Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	16.0 SH
Yr 4 SP	Science Elective	4.0 SH
Yr 4 SP	ENV Undergraduate Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
Yr 4 SP	Experiential Ed Seminar	4.0 SH
	Semester Subtotal .....	20.0 SH

### MDS 378 BS Geology and Chemistry Div C

Yr 1 FL	C MTH U141 Calculus 1	4.0 SH
Yr 1 FL	C CHM U211 General Chemistry 1 Coreq(s): C CHM U212 C CHM U213	4.0 SH
Yr 1 FL	C CHM U212 Lab for CHM U211 Coreq(s): C CHM U211 C CHM U213	1.0 SH
Yr 1 FL	C CHM U213 Recitation for CHM U211 Coreq(s): C CHM U211 C CHM U212	0.0 SH
Yr 1 FL	C ENG U111 College Writing	4.0 SH
Yr 1 FL	C Environmental U200 Dynamic Earth	4.0 SH
Yr 1 FL	C Environmental U201 Lab for Environmental U200	1.0 SH
	Semester Subtotal .....	18.0 SH
Yr 1 SP	C MTH U142 Calculus 2	4.0 SH
Yr 1 SP	C CHM U214 General Chemistry 2 Coreq(s): C CHM U215 C CHM U216	4.0 SH
Yr 1 SP	C CHM U215 Lab for CHM U214 Coreq(s): C CHM U214 C CHM U216	1.0 SH
Yr 1 SP	C CHM U216 Recitation for CHM U214 Coreq(s): C CHM U214 C CHM U215	0.0 SH
Yr 1 SP	C Environmental U220 History of Earth and Life	4.0 SH
Yr 1 SP	C Environmental U221 Interpreting Earth History	1.0 SH
Yr 1 SP	Arts/Humanities Core	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 1 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 1 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 FL	C CHM U321 Analytical Chemistry Coreq(s): C CHM U322	4.0 SH
Yr 2 FL	C CHM U322 Lab for CHM U321 Coreq(s): C CHM U321	1.0 SH
Yr 2 FL	C Environmental U310 Earth Materials Coreq(s): C Environmental U311	4.0 SH
Yr 2 FL	C Environmental U311 Lab for Environmental U310 Coreq(s): C Environmental U310	1.0 SH
Yr 2 FL	C PHY U161 Physics 1 Coreq(s): C PHY U162	4.0 SH
Yr 2 FL	C PHY U162 Lab for PHY U161 Coreq(s): C PHY U161	1.0 SH
Yr 2 FL	Diversity Requirement	4.0 SH
	Semester Subtotal .....	19.0 SH
Yr 2 SP	C CHM U311 Organic Chemistry1 Coreq(s): C CHM U312	4.0 SH
Yr 2 SP	C CHM U312 Lab for CHM U311 Coreq(s): C CHM U311	1.0 SH
Yr 2 SP	C GEO U320 Ign Petrology & Volcanology Coreq(s): C GEO U321	4.0 SH
Yr 2 SP	C GEO U321 Lab for GEO U320 Coreq(s): C GEO U320	1.0 SH
Yr 2 SP	C GEO U530 Structural Geology Coreq(s): C GEO U531	4.0 SH
Yr 2 SP	C GEO U531 Lab for GEO U530 Coreq(s): C GEO U530	1.0 SH
Yr 2 SP	Hst,Eth &Aesth Core Course	4.0 SH
	Semester Subtotal .....	19.0 SH
Yr 2 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 2 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH

Yr 3 FL	C CHM U313 Organic Chemistry 2 Coreq(s): C CHM U314	4.0 SH
Yr 3 FL	C CHM U314 Lab CHM U313 Coreq(s): C CHM U313	1.0 SH
Yr 3 FL	C ENG U301 Advanced Writing in Discipline	4.0 SH
Yr 3 FL	C CHM U401 Physical Chemistry 1 Coreq(s): C CHM U402	4.0 SH
Yr 3 FL	C CHM U402 Lab for CHM U401 Coreq(s): C CHM U401	1.0 SH
Yr 3 FL	GEO Intermed/Adv UG Elective	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 3 SP	C CHM U403 Physical Chemistry 2 Coreq(s): C CHM U404	4.0 SH
Yr 3 SP	C CHM U404 Lab for CHM U403 Coreq(s): C CHM U403	1.0 SH
Yr 3 SP	C BIO U113 General Biology 2 Coreq(s): C BIO U114	4.0 SH
Yr 3 SP	C BIO U114 Lab for BIO U113 Coreq(s): C BIO U113	1.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
Yr 3 SP	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	18.0 SH
Yr 3 S1	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 3 S2	VACATION	0.0 SH
	Semester Subtotal .....	0.0 SH
Yr 4 FL	C CHM U521 Instrumental Methods of Anlys	1.0 SH
Yr 4 FL	C CHM U522 Instrumental Mthds of Anly Lab	4.0 SH
Yr 4 FL	Social World Core	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
Yr 4 FL	NU Core Course or Elective	4.0 SH
	Semester Subtotal .....	17.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
Yr 4 SP	NU Core Course or Elective	4.0 SH
Yr 4 SP	Analysis Core Course	4.0 SH
	Semester Subtotal .....	16.0 SH