

**Michigan Technological University**  
**Bachelor of Science Degree Audit**  
**Major Program: Chemistry, Concentration: Environmental**  
 Program Code: SCH5, Academic Year 2019-20  
 Total credits required for the degree: 128

**Chemistry Courses: 53 credits**

Course	Credits
CH 1150 and CH 1151 and CH 1153 OR CH 1112	5
CH 1160 and CH 1161 and CH 1163 OR CH 1122	5
CH 1130	1
CH 2130	2
CH 2212	5
CH 2410	3
CH 2411	1
CH 2420	3
CH 2421	2
CH 3130	1
CH 3510	3
CH 3511	2
CH 3520	3
CH 3521	2
CH 4130	2
CH 4212	5
CH 4310	3
CH 4311	2
CH 4710	3

**Math and Physics: 24 credits**

Course	Credits
MA 1160	4
MA 2160	4
MA 2321 and MA 3521 OR MA 2320 and MA 3520	4
MA 3160	4
PH 1100	1
PH 1200	1
PH 2100	3
PH 2200	3

**Concentration Requirements: 16 credits**

Course	Credits
BL 1040	4
BL 3310	3
BL 4070	3
CH 4515 or CH 4519	3
GE 3200	3

**General Education Requirements: 24 credits**

Courses used to complete General Education may not be used to complete other degree requirements.

[Core: 12 credits](#)

Course	Credits
UN 1015	3
UN 1025 or an upper level modern language	3
Critical and Creative Thinking	3
Social Responsibility and Ethical Reasoning	3

[HASS: 12 credits](#)

Six of the 12 HASS credits must be at the 3000 or 4000 level (an upper division language course in place of UN1025 does not meet this requirement). No more than three credits may come from the HASS Restricted course list.

Course	Credits
Communication/ Composition	Minimum 3
Humanities and Fine Arts	Minimum 3
Social and Behavioral Sciences	Minimum 3
Course from any list above or from the Restricted HASS course list	0 to 3

**Co-curricular Activities: 3 credits**

Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree.

Course	Credits

**Free Electives: 11 credits**

Any coursework is allowable, excluding co-curricular and coursework below the 1000-level.

Course	Credits