

NATURAL SCIENCES DEPARTMENT

MINOR CHECKLIST FALL 2020 – SUMMER 2021

This checklist aids in placement of students into their minor coursework and documents the department evaluation of transferred credit and course waivers, based on coursework listed on the Degree Audit Report (DARs). A student must complete General Education and Liberal Studies (GELS) along with other requirements for graduation. Refer to your DARs for further details concerning your major and minor requirements. All coursework for the minor must be completed with the grade of C- or better.

Student Name	Metro State ID #	Admission Date or Semester
Advisor Name	Evaluation Date	Declaration Date or Semester

MATH AND FOUNDATION COURSES FOR MINOR: 18 CREDITS

Each student must complete 23 credits in the minor including at least 10 upper division credits and at least 10 credits at Metropolitan State. All prerequisite and required courses must be completed with grades of C- or above. Each foundation science course must include at least one semester credit of professionally supervised, on-ground laboratory experience with standard undergraduate laboratory equipment and materials. Note Math foundation courses are pre-requisites that do not count toward minor credit totals.

Course #	Title	Transfer Equivalent Details	Grade	Credits	Term
MATH 115 OR MATH 120 OR Placement	College Algebra OR Precalculus				
CHEM 111	General Chemistry I				
CHEM 112	General Chemistry II				
CHEM 231	Organic Chemistry I				
CHEM 231L	Organic Chemistry I Lab				
CHEM 341	Quantitative Analysis				

ELECTIVE COURSE REQUIREMENT: 5 CREDITS

At least one course from the following list, or other advanced chemistry courses by advisor permission, including at least one credit of lab, as needed to reach a total of 23 credits.

Course #	Title	Transfer Equivalent Details	Grade	Credits	Term
CHEM 311	Environmental Chemistry			3	
CHEM 311L	Environmental Chemistry Lab			2	
CHEM 325	Biochemistry I			3	
CHEM 327	Biochemistry Lab			2	
CHEM 332	Organic Chemistry II			4	
CHEM 332L	Organic Chemistry II Lab			1	
CHEM 351	Physical Chemistry I			5	
CHEM 361	Inorganic Chemistry Lecture and Lab			5	
CHEM 407	Biochemistry of Neurological Disorders			3	
CHEM 421	Medicinal Chemistry			3	
CHEM 425	Polymer Chemistry and Dynamics			3	
CHEM 429	Biochemistry II			3	
CHEM 437L	Research Methods			3	
CHEM 441	Instrumental Analysis			5	
CHEM 469	Seminars in Chemistry			1	
CHEM 479	Special Topics in Chemistry			1-5	
CHEM 479L	Special Topics in Chemistry Lab			1-4	
CHEM 489	Directed Research in Chemistry			1-5	

ADDITIONAL NOTES, CREDIT TOTALS OR COMMENTS:

Academic advisor notes:

MAJOR AND MINOR REQUIREMENTS

Students are required to have a minimum of 5 credits not overlapped with their current or previously completed major or minors. Work with your academic advisor to assure both major and minor requirements are met when planning out your course load every semester toward graduation.

Minor Requirements Checklist	In Progress	Completed
23 credits minor requirement		
10 Metro State minor Credits		
10 Upper division minor credits		
5 credit unique to minor		

NATURAL SCIENCES DEPARTMENT CONTACT INFORMATION

For specific questions about this major program or equivalencies of prior coursework at other institutions, contact the Chair of the Natural Sciences Department at:

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