

**Mesabi Range Community and Technical College  
University of Minnesota, Duluth**

**Transfer Program in Geology**

Listed below are the courses offered at Mesabi Community College that apply to the B.S. degree in Chemistry at the University of Minnesota, Duluth. After successful completion of the listed Mesabi courses, students may complete the B.S. in Chemistry with an additional two years of full-time study at UMD.

<b>Mesabi Community College Courses to Complete</b>	<b>cr</b>	<b>UMD Requirements satisfied by Mesabi courses</b>	<b>cr</b>
Geol 1557 Physical Geology	4	Geol 1110 Intro Geology	3
Chem 1522 Gen Chemistry I	5	Chem 1151 General Chemistry I	5
Chem 1523 General Chemistry II	5	Chem 1152 General Chemistry II	5
Engl 1511 College Writing I	4	Comp 1120 College Writing	3
Math 1561 Calculus I	5	Math 1296 Calculus I	5
Phys 1571, 1581 Engineering Physics I & Lab	5	Phys 1201 Mechanics	5
Phys 1572, 1592 Engineering Physics II & Lab	5	Phys 1202 Heat and Electricity	5
Stat 2551 Statistics I	3	Stat 2411 Statistical Methods	3
Liberal Education courses		Liberal Education courses	

11/30/98

11/30/98

**Courses to be Completed at UMD:**

Geol 2 100 Geological Computer Applications, 1 cr  
 Geol 22 10 Geomorphology, 4 cr  
 Geol 2311-2312 Mineralogy & Petrology I-II, 8 cr  
 Geol 23 15 Mineral Resource Geology, 2 cr  
 Geol 3110 Environmental Geology, 2 cr  
 Geol 3410 Stratigraphy - Sedimentation, 3 cr  
 Geol 3520 Structural Geology, 4 cr  
 Geol 3530 Field & Computer Methods, 3 cr  
 Geol 3710 Intro to Geochemistry, 3 cr  
 Geol 4810 Global Geophysics, 3 cr

Geol upper division electives  
 Geol 4500 Field Geology (Utah), 6 cr  
 Comp 3150 Advanced Writing, 3 cr  
 Liberal Education courses  
 Minor field courses  
 Note: Many geology majors choose chemistry as a minor. As such, Chem 2512-2513 could be taken at Mesabi and applied to the UMD chemistry minor.

**B.S. Geology:**

Geology is the study of the earth, particularly the outer layer known as the earth's crust. Geology graduates pursue a wide variety of careers including minerals exploration, governmental research and mapping agencies, petroleum exploration, environmental geology, and hydrogeology. Recent UMD B.S. graduates are gaining employment with environmental engineering firms which focus on hydrogeology, ground water resources, land use, and resource planning. Many students will also continue their studies to the Master of Science level before pursuing a career.

**Transfer Program in Geology**

Department of Geology  
 University of Minnesota, Duluth  
 229 Heller Hall  
 Duluth, Minnesota 55812  
 218 726-7238  
 geol@d.umn.edu

College of Science and Engineering - Student Affairs  
 University of Minnesota, Duluth



