B.Sc.H. Earth Sciences with Concentration in Geophysics (20.0 credits)

Program starts here

1st Year		2nd Year		3rd Year		4th Year	
Fall Term	Winter Term	Fall Term	Winter Term	Fall Term	Winter Term	Fall Term	Winter Term
ERTH 1006 Exploring Planet Earth	**ERTH 1009** The Earth System Through Time	**ERTH 2102** Mineralogy to Petrology	**ERTH 2104** Igneous Systems, Geochemistry and Processses	**ERTH 3003** Geochemistry and Geochronology	**ERTH 3204** Mineral Deposits	**ERTH 4908** Honours Thesis **or** (**ERTH 4909** Research in Earth Sciences **and** 0.5 credit in ERTH at the 4000-level)	
CHEM 1001 General Chemistry I **or CHEM 1005** Elementary Chemistry I	**CHEM 1002** General Chemistry II **or CHEM 1006** Elementary Chemistry II	**ERTH 2105** Geodynamics	**ERTH 2406** Geology and Map Interpretation	**ERTH 3203** Applied Sedimentology **or ERTH 3206** Oceanography: Its Modern and Geologic Records	**ERTH 3205** Physical Hydrogeology	**STAT 2507** Introduction to Statistical Modeling I	**ERTH 4707** Engineering Seismology
MATH 1004 Calculus for Engineering or Physics	**MATH 1104** Linear Algebra for Engineering or Science	**ERTH 2314** Sedimentation and Stratigraphy	**ERTH 2802** Field Geology I	**ERTH 3405** Geophysical Methods	**ERTH 3806** Structural Geology	**1.0 credit from: ERTH** 4003, 4107, 4206, 4303, 4305, 4306, 4402, 4403, 4801, 4804, 4807, or **PHYS** 4203	
PHYS 1001 Foundations of Physics I (recommended) **or PHYS 1003 or PHYS 1007**	**PHYS 1002** Foundations of Physics II (recommended) **or PHYS 1004 or PHYS 1008**	**GEOM 2007** Geographic Information Systems	**COMP 1005** Introduction to Computer Science I	**ERTH 4820** Research Methods in Earth Sciences		Free Elective(s)	Free Elective
NSCI 1000 or Approved course outside of the faculties of Science and Engineering and Design	**MATH 1005** Differential Equations and Infinite Series for Engineering or Physics	**1.5 credits from: ERTH** 2312, **MATH** 2004, **PHYS** 2202, 2604 (A 6th course can be taken in the winter term because ERTH 2802 runs after the winter examination period)		**1.5 credits from: ERTH** 2312, **MATH** 2004, 3705, **PHYS** 2202, 2604, 3308, 3807 (if not taken previously)			