

GED Required and Applied Geology Courses, 2020

Suggested Order of Study

Semesters	Semesters
<p>Fall Semester 1</p> <ol style="list-style-type: none"> 1. (FYS I -4, English composition-6) (10 cr.) 2. Intro to Philosophy I (part of FYS) (2 cr.) 3. Concept of Modern Sciences (6 cr.) 4. General Chemistry (EMSD 101) (6 cr.) 5. Intro to Environmental Management and Accounting (AGEO-100) (6 cr.) 6. Sport – (0 cr.) <p style="text-align: right;">30 cr.</p>	<p>Spring Semester 2</p> <ol style="list-style-type: none"> 1. (FYS II-4, English composition-6) (10 cr.) 2. Intro to Philosophy I (part of FYS) (2 cr.) 3. Intro to Contemporary Mathematics 1 (MAT-130) (6 cr.) 4. History Kyrgyzstan (4 cr.) 5. Geography of Kyrgyzstan (2 cr.) 6. General Geology (AGEO/NTR-111) (6 cr.) (Substitutes Natural Science/SYS (6 cr.)) 7. Sport – (0 cr.) <p style="text-align: right;">30 cr.</p>
<p>Fall Semester 3</p> <ol style="list-style-type: none"> 1. Humanities/SYS (6 cr.) 2. Kyrgyz Language and Literature I (4 cr.) 3. Manas Studies (2cr.) 4. Intro to Mineralogy and Petrology (AGEO-101) (6 cr.) 5. Intro to Structural Geology and Tectonics (AGEO -120) (6 cr.) 6. Intro to Probability and Statistics (6 cr.) 7. Sport – (0 cr.) <p style="text-align: right;">30 cr.</p>	<p>Spring Semester 4</p> <ol style="list-style-type: none"> 1. Social Sciences/SYS (6 cr.) 2. Arts/SYS (6cr.) 3. Kyrgyz Language and Literature II (4 cr.) 4. Introduction to R: Software for Statistical Computing (COM/ENV-205)) (6 cr.) 5. Environmental Geochemistry (AGEO-110) (6 cr.) 6. Internship 1/ Field Work (AGP-205) (Summer) (3 cr.) 7. Sport – (0 cr.) <p style="text-align: right;">31cr.</p>
<p>Fall Semester 5</p> <ol style="list-style-type: none"> 1. Russian Language I (2 cr.) 2. GIS Applications in Earth Sciences (AGEO -203) (6 cr.) 3. Environmental Geology and Mining Safety (AGEO -204) (3cr.)* 4. Internship 2/ Field Work (AGEO-303) (3 cr.) 5. Elective (14 cr.) <p style="text-align: right;">28 cr.</p>	<p>Spring Semester 6</p> <ol style="list-style-type: none"> 1. Russian Language II (2 cr.) 2. Research Methods ** (AGEO-305) (6 cr.) 3. Intro to Metrology and Environmental Management System (AGEO-200) * (6 cr.) 4. Exploration Technics and Geotechnics (AGEO -301) ** (6 cr.) 5. Intro to R Programming (COM-212) cross listed Soft. Eng.) (6 cr.)*** id:3865 6. Elective (6 cr.) <p style="text-align: right;">32 cr.</p>
<p>Fall Semester 7</p> <ol style="list-style-type: none"> 1. Senior Thesis Seminar (AGEO-400) (6 cr.) 2. Mineral Deposits Geology and Surface Excavation Design (AGEO-302)** (6 cr.) 3. Elective (16 cr.) 4. Outside of student's major (2 cr.) <p style="text-align: right;">30 cr.</p>	<p>Spring Semester 8</p> <ol style="list-style-type: none"> 1. Drilling Technology (AGEO-401) (6 cr.)** 2. Hydrogeology and Integrated Water Resource Managment (AGEO-300) (3 cr.) 3. Outside of student's major (22 cr.) <p style="text-align: right;">31 cr.</p>

*(AGEO-100) prerequisite

** (AGEO-101) or (AGEO-120) prerequisite, as well as (AGEO/NTR-111) an acceptable alternative to (AGEO-101) or (AGP-120)

*** Intro to Probability and Statistics course is prerequisite.