**GEOSCIENCE TECHNOLOGY (DRAFT)**

Associate of Applied Science Degree

***Purpose:***This program prepares graduates for employment in entry-level positions at US Geological Survey and other organizations within the US Department of the Interior, the US Environmental Protection Agency, state and local government agencies and utilities and private geotechnical and environmental companies.

***Transfer Information:***Transfer is ***not*** the primary purpose of an A.A.S. program, but NOVA has articulation agreements that facilitate the transfer of this and other career-oriented programs to selected senior institutions. Many of the courses within the program are accepted for transfer to almost any senior institution. Students interested in transfer should contact their academic advisor early in their program.

***Recommended Preparation:***Students should be proficient in high school English, Algebra and Biology.

Two Years Credits

1st Semester

CHM 111 College Chemistry I 4

ENG 111 College Composition I 3

GOL 105 Physical Geology 4

MTH Elective 3

PED 116 Lifetime Fitness and Wellness 1

SDV 100 College Success Skills 1

Total 16

**2nd Semester**

CHM 112 College Chemistry II 4

CST 110 Intro. To Communication 3

GOL 106 Historical Geology 4

GOL 207 Mineralogy 4

Humanities/Fine Arts Elective 3

Total 18

3rd Semester

BIO 101 General Biology I 4

GIS 200 Geographic Information Systems I 4

GOL 135 Field Studies 1

CHM 255 Instrumental Analysis 3

GOL 297 Cooperative Education 3

Social Science Elective 3

Total 18

**4th Semester**

Approved Electives 6

GOL 195 Field Techniques in Geology 1

GOL 195 Hard Rock Techniques 1

GOL 195 Core Description 1

GOL 195 Grain Size Analysis 1

GOL 195 Micropaleontology Techniques 1

GOL 206 Paleontology 4

**Total 15**

**Total credits for the A.A.S. Degree in Physical Science Technology = 67**