

# Assessment: Assessment Plan



## Program (CT) - BAS- Land Surveying/Geomatics

**Unit Mission:** The Land Surveying and Geomatics program (LSG) is committed to addressing the disparate and constantly changing needs of students - throughout Nevada and beyond - who are preparing for a geomatics career. Great Basin aims to deliver a high quality and relevant educational experience that prepares LSG students for professional success.

### Outcome: Prepare to take and pass the Fundamentals of Land Surveying examination

Prepare to take and pass the Fundamentals of Land Surveying examination developed by the National Council of Examiners for Engineering and Surveying (NCEES).

**Outcome Status:** Active

**Assessment Year:** 2018-2019, 2019-2020

**Start Date:** 08/31/2015

#### Assessment Measures

**Survey** - A Point-of-Contact questionnaire will be emailed to all graduates asking whether or not they passed the National Council of Examiners for Engineering and Surveying Fundamentals of Surveying (FS) exam which contains 110 multiple-choice questions. The exam appointment time is 6 hours long, which includes a nondisclosure agreement, tutorial (8 minutes), the exam (5 hours and 20 minutes), and a scheduled break (25 minutes). (Active)

**Criterion:** 70% of all GBC graduates will pass the Fundamentals of Surveying (FS) exam on their first attempt.

### Outcome: Satisfy the educational requirement for licensure

Satisfy the educational requirements for licensure required by NRS.625.270 as a professional Land Surveyor in Nevada and recognize the benefit of life-long learning by participating in continuing education as students or as instructors.

**Outcome Status:** Active

**Assessment Year:** 2018-2019, 2019-2020

**Start Date:** 08/31/2015

#### Assessment Measures

**Software** - A Point-of-Contact questionnaire will be emailed to all graduates asking whether or not they passed the National Council of Examiners for Engineering and Surveying PS exam which contains 100 multiple-choice questions. It lasts 6 hours and is split into a 4-hour morning session (67 questions) and a 2-hour afternoon session (33 questions). The PS exam uses USCS measurements. (Active)

**Criterion:** 80% of all GBC graduates will pass the Profession Surveying (PS) examination on their first attempt.

### Outcome: Convey spatial information

Convey spatial information in graphical, textual, and verbal forms as an individual or as a collaborating member of a professional team.

**Outcome Status:** Active

**Assessment Year:** 2018-2019, 2019-2020

# Program (CT) - BAS- Land Surveying/Geomatics

**Start Date:** 08/31/2015

## Assessment Measures

**Assignment - Project** - The final student project requires the application of knowledge and skills acquired in previous field experience and coursework. Projects may include field/office evidence research, urban subdivision layout, descriptions, map/plat construction, and/or a directed undergraduate research project. (Active)

**Criterion:** 80% of students will pass the senior capstone class with a 70% or better on the class presentation, poster presentation, and research paper.

**Project** - The SUR 495 final student project requires the application of knowledge and skills acquired in previous field experience and coursework. Projects may include field/office evidence research, urban subdivision layout, descriptions, map/plat construction, and/or a directed undergraduate research project. (Active)

**Criterion:** 80% of students will pass the senior capstone class with a 70% or better on the class presentation, poster presentation, and research paper.

## Outcome: Fundamentals in business management

Provide fundamentals in business management to enable graduates to understand business environments and decision-making processes.

**Outcome Status:** Active

**Assessment Year:** 2018-2019

**Start Date:** 08/31/2018

## Assessment Measures

**Assignment - Project** - Implement a Cost Benefit Analysis project into BUS course work. (Active)

**Criterion:** TBA

## Outcome: Develop a sound background

Develop a sound background in the humanities, social sciences, and the arts, to function in multicultural and diverse environments.

**Outcome Status:** Active

**Assessment Year:** 2019-2020

**Start Date:** 08/31/2019

## Assessment Measures

**Assignment - Project** - Implement multicultural and diverse environments. (Active)

**Criterion:** TBA

Assessment begins Fall 2019

Discuss with Humanities Department over summer break.