

Date: March 9, 2020

To: Cathy Sandeen, Chancellor

From: John Stalvey, Interim Director of Academic Affairs

Cc: Kenrick Mack, Interim Director of Academic Affairs  
Catherine M. Dyer, Director of Academic Affairs  
Gerrit Hoyer, Director of Academic Affairs  
David Brubaker, Assistant Professor, Geomatics  
Susan Kalina, Vice Provost for Academic Affairs  
Claudia Lampman, Vice Provost for Student Affairs

Re: **AY20 Expedited Program Review**

I have reviewed the dean's chair's findings, the program's self-study, and the completed Expedited Program Review Template for the Geomatics AAS program.

**Recommendations**

My recommendation is to accept the dean's commentary that a dismissal to the AAS should be temporary for the interim chair within the program should work with Civil Engineering to integrate the program into GEO A155. The revision should be completed in AY21 progress upon all recommendations review along with any other program's outcomes otherwise noted at that time, a follow-up Program Review will be conducted.

**Decision**

- Recommend Temporary Suspension for the AAS
- Recommend Revision for the BS

Date: 02/28/2020

To: John Stalvey, Interim Provost

From: Caixia Wang, Associate Professor & Department Chair, Program Committee Chair

Cc: Kenrick Mock, Interim Dean, College of Engineering









January 31, 2020

Geomatics (AAS-BS)

ABET

Anchorage

Caixia Wang, Associate Professor & Department Chair, Program Committee Chair, UAA

Gennady Gienko, Professor, UAA

David Brock, Term Assistant Professor, UAA

#### Relevancy of the programs

Geomatics BS program is one of only 20 four-year programs in this discipline in the US that are ABET-accredited under the Applied and Natural Sciences or Engineering Accreditation Commissions, and the program of its type in . We are one of the few programs that offer both 4-year and 2-year degrees in the same department.

The program provides the level of education required by the State of Alaska in obtaining professional surveying licenses.

#### Supporting other academic programs

Our program provides service courses to *Civil Engineering* to meet its ABET requirements and *Construction Management*.

Other support provided to other academic programs described in the next section.

#### Partnerships with outside agencies, businesses, or organizations

Our BS program is developing a with the matched AAS program at *Bellingham Technical College (BTC)* in Washington State. Initial intention has been agreed upon by both programs and their associated colleges; articulation agreement in progress.

The program has a very active and strong representing both government and industry stakeholders, which are our primary external stakeholders.

- In the summer of 2019, Geomatics Advisory Board led a fund-raising effort to financially support the department in order to offer scheduled courses in fall 2019, due to its recent departure of 2 full-time faculty members followed by a hiring freeze caused by significant budget reductions.

The program continues to be the for State and Federal agencies and private companies in Alaska to hire both student interns and entry-level professionals.

U.S. Bureau of Labor Statistics, Employment Projections program writer K... job

, for surveyors will increase by , cartographers & photogrammetrists, and GIS specialists will increase by . All these employment opportunities will require a baccalaureate degree in Surveying or a related field, that our program covers

Many local employers are forced to employ graduates from out of state (19% of the workforce is nonresident), suggesting the potential growth of the program to meet demand.

Sources of extramural support and funding for the program

fund donated from industry stakeholders to fully support the term faculty position and adjunct faculty positions in AY 2020-









21.4% of students are accepted into the next-stage academic program.

We currently enjoy a 100% job placement upon graduation. The majority of our students are employed in either government or industry during the summer and over the school year.

We are unable to fill all requests for summer internships, and continue to be the *program of choice* for State and Federal agencies and private companies in Alaska to hire both student interns and entry-level professionals, such as Bureau of Land Management, US Forest Service, Alaska Department of Transportation and Public Facilities, Alaska Department of Natural Resources, R&M Consultants, Frontier Precision, Quantum Spatial, SurvBase, to name a few.

We are the *only* Geomatics program in the State of Alaska. Even more, this program is one of 20 ABET-accredited programs nationwide, which produce baccalaureate graduates in Geomatics or closely related fields. The nearest equivalent program is in Calgary, Canada, and aft