

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Undergraduate Programs</b>		UUPC Approval <u>9/10/18</u> UFS Approval _____ Banner Posted _____ Catalog _____
	Department CEGE College CoE&CS		
<b>Program Name</b> BS Geomatics Engineering		<input type="checkbox"/> <b>New Program</b> <input checked="" type="checkbox"/> <b>Change Program</b>	<b>Effective Date</b> (TERM & YEAR)
<p><b>Please explain the requested change(s) and offer rationale below or on an attachment</b></p> <p>Based on new Florida Statutes for Licensure of surveyors published in November 2017 and consultation with our industry advisory board, ABET accreditation body, and BOG external program evaluators, the following changes were recommended to the existing BSGE curriculum to increase the student pipeline while still addressing the need to produce competent graduates with expertise in surveying (a national need). The proposed changes include the following:</p> <ol style="list-style-type: none"> <li>1. The student outcomes are updated from a-k to 1-7, per ABET 2017 guidelines</li> <li>2. The number of technical electives is increased from 6 to 18 credits, which allows students to participate in the honors in the major program without requiring additional credits to graduate. To accomplish this, all of the GIS required courses were moved to the technical electives as per consultation with Geosciences</li> <li>3. Basic math and science is revised to include more options, and in consultation with the Registrar, the IFP tables were changed to make them easier to follow</li> <li>4. Two business electives are added with consultation from the College of Business</li> <li>5. Surveying fundamentals courses are grouped with more options</li> <li>6. Engineering core classes and capstone experience are updated per Florida Statutes to match new course names and state requirements for licensure, with more options</li> <li>7. Other changes include minor edits to the surveying and mapping certificate and geomatics minor to match new courses/names</li> <li>8. Pre-professional requirements are simplified to be able to declare major earlier</li> </ol>			
<b>Faculty Contact/Email/Phone</b> Yan Yong/yongy@fau.edu/7-3445		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>	
<b>Approved by</b> Department Chair <u><i>Yan Yong</i></u> College Curriculum Chair <u><i>Dan Meeroff</i></u> College Dean <u><i>[Signature]</i></u> UUPC Chair <u><i>J. S. [Signature]</i></u> Undergraduate Studies Dean <u><i>Emil Strath</i></u> UFS President _____ Provost _____		<b>Date</b> _____ <u>08/21/2018</u> _____ <u>08/23/2018</u> _____ <u>8/28/18</u> _____ <u>9/10/18</u> _____ <u>9/12/18</u> _____ _____	

Email this form and attachments to [mjenning@fau.edu](mailto:mjenning@fau.edu) one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.