***Note required information:*** *Program or certificate changes require a change to the catalog page. All change of program or certificate proposals must include the new catalog page, with all proposed changes, at the end of this document. All changes that affect the courses, words, numbers, symbols, program description, admissions requirements, and graduation requirements as presented in the 2014-2015 catalog must be documented. Note before completing this proposal that all new courses and current prerequisite, corequisite, core, or elective courses changes must have already been reviewed (or submitted for the same meeting) by the Curriculum Committee and approved by the Provost and Vice President of Academic Affairs. The Track Changes feature in Word must be used to illustrate all changes to the catalog page.*

|  |  |
| --- | --- |
| **School or Division** | School of Business and Technology |
| **Program or Certificate** | AS, Civil Engineering Technology |
| **Proposed by (faculty only)** | Andrew Blitz |
| **Presenter (faculty only)** | Andrew Blitz |
| Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date. |
| **Submission date** | 12/11/2015 |

**Section I, Proposed Changes**

|  |  |
| --- | --- |
| **Change of School, Division, or Department** | List new school, division, or department |
| **Change to program or certificate name** | List new program or certificate name |
| **List below, any changes to the program or certificate prerequisites. Include course titles and credits if applicable.** |
| List changes to program or certificate prerequisites |
| **List below, any changes to the General Education requirements. Include course titles and credits if applicable.** |
| List changes to program or certificate General Education requirements |
| **List below, any changes to the program or certificate Core requirements. Include course titles and credits if applicable.** |
| List changes to program or certificate Core requirements |
| **List below, any changes to the program or certificate Elective requirements. Include course titles and credits if applicable.** |
| Add EET prefix to list of acceptable electives. |
| **List below, any other changes to the program or certificate requirements.**  |
| List other changes |
| **Change to program length (credits or clock hours to complete)** | From: To: |

**Section II, Justification for proposal**

|  |
| --- |
| **Provide justification (below) for each change on this proposed curriculum action**  |
| EET (Electronic Engineering Technology) is a suitable elective for civil engineering applications. |

**Section III, Important Dates and Endorsements Required**

|  |
| --- |
| **List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).** |
| Andrew BlitzTheresa Hamilton-Proverbs  |

**nOTE:** Changes for the Fall 2016 term must be submitted to the Dropbox by the February 5, 2016 deadline and approved no later than the March 4, 2016 Curriculum Committee meeting. Changes during mid-school year are NOT permitted. Extreme circumstances will require approval from the appropriate Dean or Associate Vice President as well as the Provost and Vice President of Academic Affairs to begin in either the Spring 2016 or Summer 2016 term.

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| --- | --- |
| **Term in which approved action will take place** | Fall 2016 |

|  |  |  |
| --- | --- | --- |
| **Required Endorsements** | **Type in Name** | **Select Date** |
| **Department Chair or Program Coordinator/Director** | Andrew Blitz | 12/11/2015 |
| **Academic Dean or Associate Vice President** | Dr. John Meyer | 12/11/2015 |

|  |  |
| --- | --- |
| **Select Curriculum Committee Meeting Date** | February 5, 2016 |

Completed curriculum proposals must be uploaded to Dropbox by the deadline. Please refer to the *Curriculum Committee Calendar* document available in the document manager in the FSW Portal:

* Document Manager
* VP Academic Affairs
* Curriculum Process Documents

**Important Note to Faculty, Department Chairs or Program Coordinators, and Deans or an Associate Vice President:**

Incomplete proposals or proposals requiring corrections will be returned to the School or Division. If a proposal is incomplete or requires multiple corrections, the proposal will need to be completed or corrected and **resubmitted to the Dropbox for the next Curriculum Committee meeting**. All Curriculum proposals require approval of the Provost and Vice President of Academic Affairs. Final approval or denial of a proposal is reflected on the completed and signed Summary Report.

**Include complete new catalog page below.**

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| **Civil Engineering Technology, AS**[Print this page.Print this Page](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) |
|  |

**Purpose**The Associate in Science (AS) in Civil Engineering Technology program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Architecture and Construction fields. The content includes but is not limited to surveying, highway design, soils and foundations, photogrammetry, asphalt design, drainage and geology, concrete design, orientation to utilities, structural design, estimating, drafting, legal and ethical considerations, employability skills, leadership and human relations skills, health and safety, and supportive general education. Computer use is essential. Technical report writing, record keeping and mathematical computations are important aspects of this occupation.**Program Structure**This program is a planned sequence of instruction consisting of 63 credit hours in the following areas: 18 credit hours of General Education Requirements, 19 credit hours of Civil Engineering Technology Foundation Core Requirements, 24 or 25 credit hours of Advanced Core Requirements, and 1 or 2 Elective credits.**Course Prerequisites*****Many courses require prerequisites.*** Check the description of each course in the list below to check for prerequisites, minimum grade requirements, and other restrictions related to the course. Students must complete all prerequisites for a course prior to registering for it.**Graduation**Students must fulfill all requirements of their program major after which, students must complete an application for graduation through the Office of the Registrar and enroll in the GRD 2000 course the semester in which they intend to graduate. Students must apply for graduation***by the published deadline*** to be assured of final clearance for graduation, timely receipt of their diploma, and participation in the commencement ceremony. |
| **General Education Requirements: 18 Credit Hours*** [ENC 1101 - Composition I](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [ENC 1102 - Composition II](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
*
* [SPC 1017 - Fundamentals of Speech Communication](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* **OR**
* [SPC 2608 - Introduction to Public Speaking](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
*
* [ECO 2013 - Principles of Macroeconomics](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* General Education Mathematics([MAC 1105](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print#tt4080) College Algebra recommended to meet prerequisite requirements for [MAC 1140](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print#tt7875) Pre-Calculus Algebra and [MAC 1114](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print#tt5494) Trigonometry) - **3 credits**
* General Education Humanities ([PHI 2100](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print#tt111) Logic: Reasoning and Critical Thinking recommended) - **3 credits**

**Civil Engineering Technology, AS Degree Core Requirements: 43 or 44 Credit Hours*** **Foundation Courses:  19 Credit Hours**
* [BCN 1040 - Introduction to Sustainability in Construction](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [BCN 1272 - Blueprint Reading](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [BCN 2710 - Construction Procedures](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **4 credits**
* [BSC 1051C - Environmental Biology: Southwest Florida Ecosystems](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [EGS 1001 - Introduction to Engineering](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [ETD 1320 - Computer Aided Drafting](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**

**Advanced Courses:  24 or 25 Credit Hours*** [ETD 1103C - Engineering Graphics I](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **4 credits**
* [GIS 1040 - Geographic Information Systems (GIS)](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [GIS 1045 - Geographic Information Systems (GIS) Customization](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [MAC 1114 - Trigonometry](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits** **\***
* [MAC 1140 - Pre-Calculus Algebra](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits** **\***
* [SUR 1100C - Surveying](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **4 credits**
* [SUR 2140C - Advanced Surveying](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **4 credits**
* [ETD 2930 - Special Topics/Capstone-Engineering Technologies](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **1 credit**

**\***[MAC 1147](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print#tt270)  Pre-Calculus Algebra/Trigonometry - **5 credits** can be taken as an alternate to [MAC 1140](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print#tt8940) and [MAC 1114](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print#tt3177) along with one extra elective credit.**Civil Engineering Technology, AS Degree Elective Requirements: 1 or 2 Credit Hours****Electives may be taken from the following 1000 and 2000 level courses:*** [ARC 1211 - Introduction to Architecture](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [ETD 1949 - Engineering Technology Internship I](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [SLS 1301 - Career and Educational Exploration](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **1 credit**
* [SLS 1350 - Employability Preparation](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **2 credits**
* [SLS 1515 - Cornerstone Experience](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* [MAC 2233 - Calculus for Business and Social Sciences I](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **4 credits**
*
* [STA 2023 - Statistical Methods I](http://catalog.fsw.edu/preview_program.php?catoid=8&poid=344&returnto=463&print) **3 credits**
* **OR**
* Any course with the following prefix: BCT, BCN, EET, or ETD.

**Note:** For students who are transferring to a state university, it is recommended that the following electives be selected: MAC 2233 or STA 2023.**Total Degree Requirements: 63 Credit Hours****Information is available online at:** [**www.fsw.edu/academics/**](http://www.fsw.edu/academics/) **or on the School of Business and Technology Home Page at:** [**www.fsw.edu/sobt**](http://www.fsw.edu/sobt) |