COMPUTER SCIENCE

COLLEGE: ENGINEERING
SCHOOL: NONE
DEGREE: BACHELOR OF SCIENCE IN COMPUTER SCIENCE
PROGRAM: COMPUTER SCIENCE

LIMITED ACCESS PROGRAM: YES-THIS PROGRAM HAS ADDITIONAL ADMISSIONS REQUIREMENTS AS STATED BELOW.

CAMPUS(ES) WHERE OFFERED/CONTACT:
- TAMPA / Coordinator of Advising, Engineering, (813) 974-2684
- LAKELAND (Partial) / Advisor, Engineering, (941) 667-7011
- SARASOTA (Partial) / Advisor, Engineering, (941) 359-4331

- Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF
  (State Mandated Common Prerequisites)
  Complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A minimum of 60 semester hours must be completed at the university. If a student wishes to transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

  Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

  The following are transferable courses from the Community College that will be accepted in the Math/Science/Engineering areas:

  **Math**
  - USF C/C
  - MAC 2281 MAC 2311 Engineering Calculus I (3)
  - MAC 2282 MAC 2312 Engineering Calculus II (3)
  - MAC 2283 MAC 2313 Engineering Calculus III (3)
  - MAP 2302 MAP 2302 Differential Equations (3)

  **Physics**
  - USF C/C
  - PHY 2048 PHY 2048 General Physics (3)
  - PHY 2048L PHY 2048L General Physics Laboratory (1)
  - PHY 2049 PHY 2049 General Physics (3)
  - PHY 2049L PHY 2049L General Physics Laboratory (1)

  **Science Electives**
  - (6)

- Admission Requirements to the University Program of Study
  This is a limited access program involving special admissions requirements. Please be aware of the immunization, foreign language, continuous enrollment policies of the university, and qualitative standards required.

- Procedures for Applying to the College of Engineering
  Students should complete and submit an Engineering Admissions Application to the College of Engineering Advising Office. Freshmen and Sophomores must submit copies of high school transcripts, SAT and ACT test scores to the College of Engineering, Advising Office. This is in addition to records requested by the University's Admissions Office. Transfer applicants must furnish transcripts from previously attended institutions to the College of Engineering, Advising Office. This is in addition to transcripts sent to the University’s Admissions Office. Applicants whose native language is other than English must submit TOEFL scores to the College of Engineering. The minimum TOEFL scores must be 550. Credentials must be received in the Engineering Advising Office 30 days prior to the date of applicable term. Failure to comply will result in the application being denied by the College of Engineering. Credentials will be held for one year. If application is not updated within that year, credentials must be re-submitted.

- Engineering Admissions Requirements
  Transfer students must have completed the equivalent USF Engineering Calculus sequence with a 2.0 GPA; must have completed one year of equivalent USF General Physics and Chemistry courses with a minimum of 2.0 GPA; must have an overall GPA of 2.0 or better.

- Bachelor of Science in Computer Science Curriculum
  - CDA 4100 Computer Organization and Architecture (3)
  - CEN 4020 Software Engineering (3)
  - CIS 4250 Ethical Issues (MWI/MII) (3)
  - COP 2002 Intro to Computer Science (3)
  - COP 2000L Intro to Computer Science Lab (1)
  - COP 2510 Programming Concepts (3)
  - COP 4600 Operating Systems (3)
  - COT 3100 Intro. to Discrete Structures (3)
  - COT 4210 Intro. to Automata Theory (3)
  - COT 4400 Analysis of Algorithms (3)
  - EEL 4705 Logic Design (3)
  - EEL 4705L Logic Design Lab (1)
  - EEL 4744 Microprocessor Principles & Applications (1)
  - EEL 4743L Microprocessor Lab (1)
  - EEL 4851C Data Structures (3)
  - EGN 1002 Engineering Orientation (0)
  - EGN 3373 Electrical Systems I (3)
  - EGN 3613 Engineering Economy (3)
  - ENC 1101 Freshman English I (3)
  - ENC 1102 Freshman English II (3)
  - ENC 4931 Engineering Communications (3)
  - MAC 2281 Engineering Calculus I (3)
  - MAC 2282 Engineering Calculus II (3)
  - MAC 2283 Engineering Calculus III (3)
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<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
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<td>MAS 2103</td>
<td>Linear Algebra</td>
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<td>PHY 2048</td>
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<td>Physics II</td>
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<td>PHY 2049L</td>
<td>Physics II Lab</td>
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<td>STA 4442</td>
<td>Intro. to Probability</td>
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<td>Computer Science Electives</td>
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<td>Quantitative Electives</td>
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<td>Non-technical Elective</td>
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<td></td>
<td>*ALAMEA Perspective Elective</td>
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<td>*Fine Arts Elective</td>
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<td>*Historical Perspectives Electives</td>
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<td>*Science Electives</td>
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<td>*Social Science Electives</td>
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<td>*MW/MI (Non-engineering)</td>
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*Approved General Education Requirements