

## Computer and Technology Majors at FSU

<ul> <li>What is it?</li> <li>The study of digital systems and how they interface with the world; including hardware, software, and algorithm design.</li> <li>What will 1 study?</li> <li>How to design and interface embedded computer systems; how to design and implement digital hardware; software and algorithm development; digital systems theory</li> <li>What courses will I need before I start?</li> <li>Calculus I</li> <li>Calculus II</li> <li>Calculus II</li> <li>Calculus II</li> <li>Calculus II</li> <li>Calculus II</li> <li>Differential Equations</li> <li>Linear Algebra</li> <li>General Physics A w/ Lab</li> <li>Who can I contact for information?</li> <li>Who can I contact for information?</li> </ul>	<ul> <li>Designing, creating, and managing information systems to meet the needs of an organization.</li> <li>What will I study?</li> <li>Technical communication, research and data analysis, information science, information systems and services</li> <li>What courses will I need before I start?</li> <li>Precalculus</li> <li>2000-level Statistics</li> <li>Any Database course</li> <li>Any Programming course</li> <li>Any Object-Oriented Programming</li> <li>Principles of Macroeconomics</li> <li>Any general Psychology course</li> <li>Any general Ethics course</li> </ul>	<ul> <li>The study of software development and engineering.</li> <li>What will I study?</li> <li>Data &amp; instruction processing; mobile app development; programming languages including C++ and Python</li> <li>What courses will I need before I start?</li> <li>BA degree option:</li> <li>Calculus I</li> <li>BS degree option:</li> <li>Calculus I &amp; II</li> <li>Introductory Programming</li> <li>2 Natural Science courses</li> <li><u>COMPUTER PROGRAMMING</u> <u>AND APPLICATIONS</u></li> <li>What is it?</li> <li>The introductory study of programming with a large amount of flexibility.</li> <li>What will I study?</li> <li>Introductory programming language courses in C++, Java, and Python</li> <li>What courses will I need before I start?</li> <li>Calculus I</li> <li>Who can I contact for information?</li> </ul>
Hillary Campbell, Mapping Coord.     Karey Fowler, Academic Advisor	CCI Advising Center	Kimberly Pack, Academic Advisor
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Other majors you may want to consider: Studio Art; Information, Communication & Technology

Program information subject to change.

\* denotes majors that are also available at the Panama City Campus. + denotes majors that are also available as Distance Learning.

Please refer to the FSU Academic Program Guide (academic-guide.fsu.edu) and Match Major Sheets (career.fsu.edu/resources) for specific course numbers & more information. Effective Summer 2017 Please flip over for additional majors  $\rightarrow$ 



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<u>COMPUTATIONAL BIOLOGY</u> (Biology)	<u>COMPUTATIONAL BIOLOGY</u> (Computer Science)	COMPUTER CRIMINOLOGY	MANAGEMENT INFORMATION SYSTEMS
<ul> <li>What is it?</li> <li>An interdisciplinary major intended to train students to develop computational models and algorithms to solve biological problems.</li> </ul>	<ul> <li><u>What is it?</u></li> <li>An interdisciplinary major intended to develop an understanding of software development and the fundamentals of biology.</li> </ul>	<ul> <li><u>What is it?</u></li> <li>The study of how crimes are facilitated and committed through the use of computers.</li> </ul>	<ul> <li>What is it?</li> <li>This major provides students with both business and technical knowledge allowing them to manage the design and development of systems related solutions for</li> </ul>
<ul> <li>What will I study?</li> <li>Biology; genetics; scientific computing; algorithms for scientific applications</li> </ul>	<ul> <li>What will I study?</li> <li>Biology and computer science electives; genetics; programming languages</li> </ul>	<ul> <li>What will I study?</li> <li>Trends in criminal activity and behavior; object-oriented programming; how to detect and combat cybercrime</li> </ul>	companies. <u>What will I study?</u> • Design and analysis of information systems, databases and programming language
<ul> <li>What courses will I need before I start?</li> <li>Calculus I</li> <li>C++ or Java programming course</li> <li>General Biology I w/ Lab</li> <li>General Biology II w/ Lab</li> <li>General Chemistry I</li> <li>General Chemistry II</li> </ul>	<ul> <li>What courses will I need before I start?</li> <li>Calculus I</li> <li>General Biology I</li> <li>General Biology II</li> <li>General Chemistry I w/ Lab</li> <li>General Chemistry II w/ Lab</li> </ul>	<ul> <li>What courses will I need before I start?</li> <li>Computer Science degree option:</li> <li>College Algebra</li> <li>Precalculus</li> <li>Computer Programming</li> <li>Criminology degree option:</li> <li>College Algebra</li> <li>Precalculus</li> <li>Computer Programming</li> </ul>	<ul> <li>What courses will I need before I start?</li> <li>Calculus for Business</li> <li>Business Statistics</li> <li>Introduction to Financial Accounting</li> <li>Introduction to Managerial Accounting</li> <li>Principles of Macroeconomics</li> <li>Principles of Microeconomics</li> <li>Microcomputer Applications for Business</li> </ul>
<ul> <li>Who can I contact for information?</li> <li>Bonnie Garcia-Gloeckner, Advisor bgarcia@bio.fsu.edu</li> </ul>	<ul> <li>Who can I contact for information?</li> <li>Kimberly Pack, Academic Advisor advisor@cs.fsu.edu</li> </ul>	<ul> <li>Who can I contact for information?</li> <li>Computer Science: Kimberly Pack <u>advisor@cs.fsu.edu</u></li> <li>Criminology Advisor: Rahila Arshad <u>rarshad@fsu.edu</u></li> </ul>	<ul> <li>Who can I contact for information?</li> <li>College of Business Advising ugprog@business.fsu.edu</li> </ul>

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