Computer Information Systems (CINF)

Courses

CINF 190. Special Topics in Computer Information Systems. 0.5 or 1 Units.
This is an introductory-level course with varied content designed by faculty to delve into topics that are not typically taught in existing courses. The sophistication and rigor of the content is consistent with courses that are offered in the second or third year of study in the department.

CINF 201. Database Systems. 1 Unit.
This course is an introduction to relational database systems, including requirements gathering, database design and modeling, normalization, implementation using an enterprise database management system, SQL programming and query optimization. An introduction to NoSQL databases is included. Offered annually, either fall or spring. Prerequisite: CSCI 111, CSCI 141, or CSCI 261 or permission of instructor.

CINF 285. Independent Study. 0.5 or 1 Units.
A faculty mentored course designed to cover content not addressed by current courses. By design, the study usually includes only one or two students who are led by a faculty member. Occasionally, an independent study may be used to offer an existing course because of extenuating circumstances. The sophistication and rigor of the content is consistent with courses that are offered in the second or third year of study in the department.

CINF 290. Special Topics in Computer Information Systems. 0.5 or 1 Units.
A course designed by faculty to delve into topics that are not typically taught in existing courses. The sophistication and rigor of the content is consistent with courses that are offered in the second or third year of study in the department.

CINF 301. Web Application Development. 1 Unit.
Students will develop full web applications, both front end and back end. Front end development will focus on using HTML, CSS, JavaScript and the React library, while backend development will use the Node.js Javascript runtime. Offered every spring semester. Prerequisite: CSCI 221.

CINF 304. Mobile Computing. 1 Unit.
This course introduces mobile computing and mobile application development. Topics include overview of various mobile computing applications and technologies, challenges in mobile computing, architectures that provide the network and communications infrastructure for mobile-enabled devices, design of modern distributed software systems, software development for mobile platforms. Offered based on student demand. Prerequisite: CSCI 221.

CINF 351V. Ethics and Technology. 1 Unit.
This course focuses on Stetson's Ethical or Spiritual Inquiry Value. This course is intended to enable students to understand and to respond to the legal and ethical issues that arise from the utilization of information technology. Students will explore ethical and social issues arising from the computerization of industry and government, with emphasis on copyright, security, and privacy issues. The primary focus of the course will be the determination of the weight that these ethical and social issues should have in the design, implementation, and uses of present and anticipated applications of information technology. Offered annually, either fall or spring. Junior Seminar.

CINF 385. Independent Study. 0.5 or 1 Units.
A faculty mentored course designed to cover content not addressed by current courses. By design, the study usually includes only one or two students who are led by a faculty member. Occasionally, an independent study may be used to offer an existing course because of extenuating circumstances. The sophistication and rigor of the content is consistent with courses that are offered in the third or fourth year of study in the department.

CINF 390. Special Topics in Computer Information Systems. 0.5 or 1 Units.
A course designed by faculty to delve into topics that are not typically taught in existing courses. The sophistication and rigor of the content is consistent with courses that are offered in the third or fourth year of study in the department. May be repeated for credit.

CINF 397. Internship in Computer Information Systems. 0.5 or 1 Units.
Students are expected to complete an internship of varying time length with an outside company or organization. Emphasis is on a relevant learning environment and acquisition of appropriate career skills at a suitable level of authority and responsibility. Prerequisite: approval of chair and faculty supervisor. Enrollment in an internship course requires students to attend an orientation prior to beginning work at their internship site. For more information regarding internship orientations, please contact Career & Professional Development at career@stetson.edu or 386-822-7315.

CINF 401. Big Data Mining and Analytics. 1 Unit.
This course is a survey of the means of acquiring, storing, accessing, and analyzing large data sets. Topics include using common data sources and APIs for acquiring data related to social networks, science, including medicine and health, finance, economics, journalism, government, and marketing, storing, and accessing data via high performance distributed systems and relational and non-relational databases, and statistical and machine learning algorithms for mining and analyzing data. Offered every spring semester. Prerequisite: CSCI 221 or permission of instructor.

CINF 485. Independent Study. 0.5 or 1 Units.
A faculty mentored course designed to cover content not addressed by current courses. By design, the study usually includes only one or two students who are led by a faculty member. Occasionally, an independent study may be used to offer an existing course because of extenuating circumstances. The sophistication and rigor of the content is consistent with courses that are offered in the fourth year of study in the department.

CINF 490. Special Topics in Computer Information Systems. 0.5 or 1 Units.
A course designed by faculty to delve into topics that are not typically taught in existing courses. The sophistication and rigor of the content is consistent with courses that are offered in the fourth year of study in the department.

CINF 498. Senior Project I. 1 Unit.
Students will select a topic in computer information systems, and work on it in collaboration with a faculty member. The student will develop a statement of the problem to be studied, the methods to be used, and the background information needed to solve the problem. The student will write a project proposal including any preliminary results and present the problem and results to the department. Prerequisite: Any three CSCI or CINF courses at the 300 level or above. Writing Enhanced course.

CINF 499. Senior Project II. 1 Unit.
Students will extend their research project started in CINF498. The student will write a final paper, and present the results to the department. Prerequisite: CINF 498. Writing Enhanced course.