CSCI 105 - Computer Fluency. 3 Credits.
Offered autumn and spring. Introduces the skills and concepts of information technology, both from practical and a more theoretical point of view. During lectures and interactive computer labs, students will explore a wide range of digital and information technologies, including common PC applications, networking, databases, privacy, and security. Credit not allowed for both CSCI 105 and CRT 111 and CS 111.

CSCI 106 - Careers in Computer Science. 1 Credit.
Offered autumn. Exploration of various careers available in the general area of Computer Science. Includes discussion of strategies for success in the major. Computer Science faculty members also will discuss possible undergraduate research opportunities and motivation for graduate education.

CSCI 107 - The Joy and Beauty of Computing. 3 Credits.
Examines the computing field and how it impacts the human condition. Introduces exciting ideas and influential people. Provides a gentle introduction to computational thinking using the Python programming language.

CSCI 108 - Interdisciplinary Computing: Practical Computational Problem Solving. 3 Credits.
Offered autumn and spring. Prereq., WRIT 101 (or higher) or equivalent. Students will develop critical thinking and problem solving by applying computational problem solving across a broad range of interdisciplinary fields. This course is not a programming course. Instead, students will focus on problem specification, meta-analysis, formal description, generalizing solutions, enumerating decision possibilities and outcomes, process analysis, problem partitioning, and digital representation using the English language.
Gen Ed Attributes: Intermediate Writing

CSCI 113 - Programming with C++ I. 3 Credits.
Offered spring. Offered at Missoula College. M 090 or ALEKS score >= or M01-Maplesoft Arithmetic score >= 9 recommended prior to taking course. Object oriented programming using C++. Implementation of structured programming concepts along with construction of classes to create data types for defining objects.

CSCI 125 - Computation in the Sciences. 3 Credits.
Offered autumn at the Mountain Campus. Use a high-level structured programming language to study data types, looping and control structures, lists, dictionaries, and file i/o. Use computing and programming to solve scientific problems.

CSCI 126 - Computation in the Sciences with Calculus. 3 Credits.
Offered autumn. Prereq., basic computer and spreadsheet literacy; coreq., M 162 or M 171. An introduction to programming in Python with an emphasis on problems arising in the sciences, including: function plotting, data fitting, file input/output, numerical differentiation and integration, solving ordinary differential equations, matrix manipulation, and sensor networks.

CSCI 150 - Introduction to Computer Science. 3 Credits.
Offered autumn and spring. This course covers basic programming concepts such as variables, data types, iteration, flow of control, input/output, functions, and objects. The course will also cover programming ideas such as libraries, files, modularity, where to turn to for help, and debugging. Students will learn about the role computation can play in solving problems by writing programs to address practical problems. No prior programming experience is expected. (Two hours independent lab per week.)

CSCI 151 - Interdisciplinary Computer Science I. 3 Credits.
Offered autumn and spring. Offered on both Mountain Campus and at Missoula College. Prereq., CSCI 150 or CSCI 100. This course will introduce students to fundamental computer science concepts including functions, libraries and APIs, recursion, data types, optimization, searching and sorting, all while using a high level structured programming language.

CSCI 152 - Interdisciplinary Computer Science II. 3 Credits.
Offered autumn and spring. Offered at both Mountain Campus and Missoula College. Prereq., CSCI 151 or CSCI 126; and M162 or M 171 or M 172 or M 273 and prereq./coreq., M 151 or consent of instr. Survey of computer science topics including recursion, basic data structures, algorithms, computational theory, computing architecture, and modern software development practices.

CSCI 172 - Intro to Computer Modeling. 3 Credits.
Offered autumn and spring. Offered at both Mountain Campus and at Missoula College. Problem solving and data modeling using computer productivity software. Emphasis using spreadsheets and database for data analysis.

CSCI 181 - Web Design and Programming. 3 Credits.
Offered autumn. Students will learn how to critically analyze the usability of web sites and create their own by understanding and applying universal principles of design. Programming and other key concepts covered include HTML, CSS, JavaScript, and Web Graphics. Students will complete many different types of Web projects throughout the semester, culminating in an online portfolio used to showcase work completed in this class and others. No prior programming experience is expected.

CSCI 191 - Special Topics. 6 Credits.
(R-12) Offered intermittently. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Students taking CS classes with computer programming components should expect to use additional computer lab time outside of class.

CSCI 198 - Internship. 1-6 Credits.
Offered intermittently. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements on and off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

CSCI 205 - Programming with C/C++. 3 Credits.
CSCI 215E - Social & Ethical Issues in CS. 3 Credits.
Offered autumn and spring. Offered at Missoula College. Prereq., WRIT 101 (or higher) or equivalent. Exploration of ethical issues in the field of computing. Skills needed to identify and analyze various ethical concerns. Standard ethical concepts and theories, methods of ethical analysis. Strong emphasis on practical application of the ethical process. Gen Ed Attributes: Ethical & Human Values, Intermediate Writing

CSCI 221 - System Analysis and Design. 3 Credits.
Offered spring. Offered at Missoula College. Analysis of the system development life cycle. Emphasis on planning, analyzing, designing, implementing and supporting information systems to meet business requirements. Covers feasibility studies, time and cost estimates, modeling tools, design tools, implementation and support strategies. A simulated business design project will be developed.

CSCI 232 - Intermediate Data Structures and Algorithms. 4 Credits.
Offered autumn. Prereq., 'B-' or better in CSCI 152; or consent of instr. Abstract data types, algorithm analysis, stacks, queues, lists, recursion, trees, hashing, graphs, and applications of data structures in algorithm development. Python programming language used.

CSCI 240 - Databases and SQL. 3 Credits.
Offered autumn. Relational database design including: requirements analysis, data structure, entity relationships, normalization, relational algebra and integrity. Physical implementation focusing on data storage; retrieval and modification; concurrency; optimization; security; SQL; and XML.

CSCI 258 - Web Application Development. 3 Credits.
Offered autumn and spring. Prereq., or coreq., CSCI 152. This class is designed to give students introductory exposure to client-server Web development. Students will be exposed to modern web/software development principles, practices and systems.

CSCI 290 - Undergraduate Research. 1-6 Credits.
(R-10) Offered every term. Offered at Missoula College. Consent of instr. Independent research under the direction of a faculty member.

CSCI 291 - Special Topics. 1-6 Credits.
(R-12) Offered intermittently. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

CSCI 292 - Independent Study. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

CSCI 298 - Internship. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of department. Extended classroom experience which provides practical application of classroom learning during placements on and off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

CSCI 315E - Computers, Ethics, and Society. 3 Credits.
Offered autumn. Prereq., WRIT 101 or equivalent, and one intermediate writing course. Ethical problems that computer scientists face. The codes of ethics of professional computing societies. The social implications of computers, computing, and other digital technologies. Gen Ed Attributes: Ethical & Human Values, Advanced Writing

CSCI 322 - Advanced Web Application Development. 3 Credits.
Offered spring. Prereq., CSCI 258 or consent of instr. This course imparts advanced web development and associated practical skills, including contemporary web architectures, cloud deployment, database migrations, custom front end interfaces, high performance computing integration, web systems debugging, and group development.

CSCI 323 - Software Science. 3 Credits.
Offered autumn. Prereq., CSCI 152. Study, implementation, and assessment of software processes, techniques, methods, and CASE tools. Project management and cost estimation techniques will be examined. A group project may be required.

CSCI 332 - Advanced Data Structures and Algorithms. 3 Credits.
Offered spring. Prereq., CSCI 232 and M 225 or consent of instr. Algorithm design, analysis, and correctness. Commonly used algorithms including searching and sorting, string search, dynamic programming, branch and bound, graph algorithms, and parallel algorithms. Introduction to NP-complete problems.

CSCI 340 - Database Design. 3 Credits.
Offered spring. Prereq., CSCI 232 or consent of instr. Fundamentals of data modeling, the relational mode, normal forms, file organization, index structures and SQL. Major project involving the design and implementation of a relational database.

CSCI 361 - Computer Architecture. 3 Credits.
Offered spring. Prereq., CSCI 152 Bottom up creation of a complete computer system. Beginning with logic gates, ALU, CPU, and memory hierarchy. Instruction set design and hardware control. Assembly language and creation of an assembler. Virtual machines and implementation of a virtual machine. High level languages and basic compiler construction.

CSCI 370 - Sports Analytics. 3 Credits.
Offered spring. Prereq., junior or senior standing. This course will discuss how technology is affecting sports and the ethical consequences. Students will be introduced to several computer science topics that are used to analyze all aspects of the sports industry (performance, safety, game strategy, fan experience).

CSCI 390 - Research. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Directed individual research and study appropriate to the back ground and objectives of the student.

CSCI 391 - Special Topics. 1-6 Credits.
(R-12) Offered intermittently. Prereq., junior standing. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

CSCI 392 - Independent Study. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

CSCI 394 - Seminar. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Guidance in special work.

CSCI 398 - Internship. 1-3 Credits.
(R-3) Offered intermittently. Prereq., consent of department. Business or government internship. Prior approval must be obtained from faculty supervisor and the Internship Services office. Only three credits applicable to computer science major or minor. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.
CSCI 400 - Digital Entrepreneurship. 3 Credits.
Offered Spring. This course teaches how to successfully launch a high tech startup. Students will learn and apply the skills necessary to adapt their computer science education to the unique challenges of the startup environment, including design and implementation of a product, and requirements gathering via customer discovery. Students will learn how seemingly non-technical challenges (such as financing, intellectual property, group dynamics, and equity) impact technical development. Level: Undergraduate-Graduate

CSCI 410 - Advanced Client-side Web Programming. 3 Credits.
Offered intermittently. Prereq., CSCI 152. Programming and software development techniques for developing client side web-based applications. Scripting and other programming languages that are used for client-side web-based development. Level: Undergraduate

CSCI 411 - Advanced Web Programming. 3 Credits.
Offered intermittently. Prereq., CSCI 152. Programming and software development techniques for developing web-based applications. Scripting and other programming languages that are used for web-based development. Level: Undergraduate

CSCI 425 - Software Design & Development I. 3 Credits.
Offered autumn. Prereq., CSCI 340, or consent of instr. Students should be of Senior class standing. Class represents first in senior capstone experience. Students will work in groups to design and prototype real-world software. Focus will be on client interaction, software engineering methodologies, project management tools, requirements specification and analysis, design, user feedback, documentation and presentation. Level: Undergraduate-Graduate

CSCI 427 - Software Design and Development II. 3 Credits.
Offered spring. Prereq., CSCI 426. Design and implementation of a major software project in a group setting, with required documentation, presentation, installation, and approval by the instructor. Level: Undergraduate-Graduate

CSCI 432 - Advanced Algorithm Topics. 3 Credits.
Offered autumn. Prereq., 'B' or better in CSCI 332; or consent of instr. Advanced algorithm and data structure concepts, including theory, approximation algorithms, randomized algorithms, parallel algorithms, streaming algorithms, linear programming. Co-Convenes with CSCI 532. Level: Undergraduate

CSCI 442 - Computer Vision. 3 Credits.
Offered intermittently. Prereq., M 221 and CSCI 232, or consent of instructor. Introducing how digital images can be used for quantitative analysis and in artificial intelligence. Topics include the fundamentals of image formation and optics, the geometry of images, feature detection and matching, stereo vision and photogrammetry, tracking, and object detection and classification. Course co-convenes with CSCI 552. Credit not allowed for both CSCI 442 and CSCI 552. Level: Undergraduate

CSCI 443 - User Interface Design. 3 Credits.
Offered intermittently. Prereq., CSCI 232 or consent of instr. Introduction to usability and key concepts of human behavior. Focus on the process of user-centered design, including requirements specification, prototyping, and methods of evaluation. Incorporation of regular design critiques of classmates' work, and emphasis on both oral and written communication skills. Credit not allowed for CSCI 543 and this course. Level: Undergraduate

CSCI 444 - Data Visualization. 3 Credits.
Offered intermittently. Prereq., programming experience; and junior, senior, or graduate status; or consent of instr. This course emphasizes the practice of data visualization, compelling students to identify and master tools to produce visualizations of data having relational, raster, vector, geographical, networked, mesh based, spectral, or phase space properties. The unique challenges of each data type will be covered. The emphasis on production is coupled to a framework for critique, allowing students to differentiate between high and low qualities visualizations. Level: Undergraduate-Graduate

CSCI 447 - Machine Learning. 3 Credits.
Offered intermittently. Prereq., CSCI 232 or consent of instr. Introduction to the framework of learning from examples, various learning algorithms such as neural networks, and generic learning principles such as inductive bias, Occam's Razor, and data mining. Credit not allowed for both CSCI 447 and CSCI 547. Level: Undergraduate

CSCI 451 - Computational Biology. 3 Credits.
Offered Autumn. Designed for attendance by both computer scientists and biologists. The course will explore the interdisciplinary nature at the juncture of the two fields. Students will be introduced to bioinformatics (emphasis: computational genomics), with exposure to fundamental problems, algorithms, and tools in the field. This includes a basic introduction to genomics, along with in-depth coverage of algorithms and methods relevant to modern computational genomics, including: biological sequence alignment, sequence database homology search, and phylogeny inference. The programming expectations are limited for a 400-level computer science course, but at least one semester of a programming-intensive course is required. Credit not allowed for CSCI 558 and this course. Level: Undergraduate

CSCI 460 - Operating Systems. 3 Credits.
Offered autumn. Prereq., CSCI 232, or consent of instr. Operating system design principles. Processes, threads, synchronization, deadlock, memory management, file management and file systems, protection, and security, comparison of commonly used existing operating systems, writing programs that make use of operating system services. It is recommended, but not required, that the student also attend Programming Languages (in order to be prepared to write C programs) and Architecture (in order to understand interactions between the operating system and processor hardware) prior to attending this course. Level: Undergraduate

CSCI 464 - Applications of Mining Big Data. 3 Credits.
Offered intermittently. Prereq., upper division or consent of instr. Co-convenes with CSCI 564. Introduction to existing data mining software systems and their use, with focus on practical exercises. Topics include data acquisition, data cleansing, feature selection, and data analysis. Credit not allowed for both CSCI 464 and CSCI 564. Level: Undergraduate

CSCI 466 - Networks. 3 Credits.

CSCI 475 - Software Optimization. 3 Credits.
Offered autumn. Prereq., 'B- or better in CSCI 232 (or consent of instr.). Passing by reference, bit twiddling, cache awareness, memory allocation, compiler optimizations, template recursion, optimizing out expensive mathematical functions, and more in the same vein to achieve higher performance C++11 code. C++11 programming language used. Co-Convenes with CSCI 575. Level: Undergraduate
CSCI 476 - Computer Security. 3 Credits.
Prereq., M 225. Introduction to computer security. Understand the basis of cryptography and secure systems, as well as exploits used to penetrate such systems. Level: Undergraduate

CSCI 477 - Simulation. 3 Credits.
Co-convene with CSCI 577. Prereq., M 172, CSCI 151, or consent of instr. Matrix languages. ODE solving; Euler-Richardson, Runge-Kutta, PDE solving; finite differences, finite elements, multi-grid techniques. Discrete methods for solution, renormalization group method, critical phenomena. Emphasis on presentation of results and interactive programs. Credit not allowed for CSCI 577 and this course. Level: Undergraduate-Graduate

CSCI 480 - Applied Parallel Computing Techniques. 3 Credits.
Prereq., CSCI 205 and 232, or instructor consent. This course is an introduction to parallelism and parallel programming. Topics include the various forms of parallelism on modern computer hardware (e.g. SIMD vector instructions, GPUs, multiple cores, and networked clusters), with coverage of locality and latency, shared vs non-shared memory, and synchronization mechanisms (locking, atomicity, etc). We will introduce patterns that appear in essentially all programs that need to run fast. We will discuss how to recognize these patterns in a variety of practical problems, discuss efficient algorithms for implementing them, and how to compose these patterns into larger applications. We will address computer architecture at a high level, sufficient to understand the relative costs of operations like arithmetic and data transfer. We also introduce useful tools for debugging correctness and performance of parallel programs. Assignments will include significant parallel programming projects. Co-convenes with CSCI 580. Credit not allowed for both CSCI 480 and CSCI 580. Level: Undergraduate

CSCI 490 - Research. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Directed individual research and study appropriate to the back ground and objectives of the student. Level: Undergraduate-Graduate

CSCI 491 - Special Topics. 1-6 Credits.
(R-18) Offered intermittently. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Level: Undergraduate-Graduate

CSCI 492 - Independent Study. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student. Level: Undergraduate-Graduate

CSCI 494 - Seminar. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Guidance in special work. Level: Undergraduate-Graduate

CSCI 498 - Internship. 1-3 Credits.
(R-3) Offered Intermittently. Prereq., consent of department. Business or government internship. Prior approval must be obtained from the faculty supervisor and the Internship Services office. Only three credits of CSCI 398 and/or CSCI 498 applicable to computer science major or minor. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation. Level: Undergraduate-Graduate

CSCI 499 - Senior Thesis/Capstone. 1-6 Credits.
(R-6) Offered every term. Prereq., WRIT 101 or equivalent, and one intermediate writing course and consent of thesis/project director and chair of the Computer Science Department. Senior thesis for computer science majors and/or Watkins scholars. Level: Undergraduate

Gen Ed Attributes: Advanced Writing

CSCI 501 - Graduate Research Methods. 3 Credits.
Offered autumn. Prereq., Non-probationary graduate status. Development of the skills required for effective research in Computer Science, including literature review, research proposal development, oral and visual presentation techniques. Included is mandatory attendance of a colloquium featuring presentations from UM faculty and students as well as external researchers from academics and industry. Level: Graduate

CSCI 510 - Advanced Client-side Web Programming. 3 Credits.
Offered intermittently. Prereq., CSCI 152. Programming and software development techniques for developing client side web-based applications. Scripting and other programming languages that are used for client-side web-based development. Level: Graduate

CSCI 532 - Advanced Algorithm Topics. 3 Credits.
Offered autumn. Prereq., 'B-' or better in CSCI 332; or consent of instr. Advanced algorithm and data structure concepts, including theory, approximation algorithms, randomized algorithms, parallel algorithms, streaming algorithms, linear programming. Co-Convenes CSCI 432.

CSCI 543 - Human-Computer Interaction. 3 Credits.
Offered intermittently. Prereq., CSCI 232 or consent of instr. Principles of good design for interactive systems and web-based applications. User-centered design methodology including requirements specification, low and high-fidelity prototyping, heuristic evaluation, cognitive walkthrough, predictive modeling, and usability testing. Advanced HCI research project. Credit not allowed for both CSCI 443 and CSCI 543. Level: Graduate

CSCI 547 - Machine Learning. 3 Credits.
Offered intermittently. Prereq., CSCI 232 or consent of instr. Fundamentals of machine learning including neural networks, decision trees, Bayesian learning, instance-based learning, and genetic algorithms; inductive bias, Occam's razor, and learning theory; data mining; software agents. Credit not allowed for both CSCI 447 and CSCI 547. Level: Graduate

CSCI 552 - Computer Vision. 3 Credits.
Offered intermittently. Prereq., M 221 and CSCI 232, or consent of instructor. Introducing how digital images can be used for quantitative analysis and in artificial intelligence. Topics include the fundamentals of image formation and optics, the geometry of images, feature detection and matching, stereo vision and photogrammetry, tracking, and object detection and classification. Course co-convenes with CSCI 442. Credit not allowed for both CSCI 442 and CSCI 552. Level: Graduate

CSCI 557 - Deep Learning. 3 Credits.
Prereq., CSCI 447 or CSCI 547, or consent of instructor. This course is a survey of state-of-the-art methods in deep learning. Covered topics are expected to change, but will typically include convolutional and recurrent neural networks, transformers, automatic differentiation, uncertainty quantification, generative models, deep reinforcement learning, training parallelism, model distillation, and interesting applications of all of the above to scientific problems. Students will read primary literature, present it to their peers, and develop computational implementations. Level: Graduate
CSCI 558 - Intro to Bioinformatics. 3 Credits.
Offered autumn. Designed for attendance by both computer scientists and biologists. The course will explore the interdisciplinary nature at the juncture of the two fields. Students will be introduced to bioinformatics (emphasis: computational genomics), with exposure to fundamental problems, algorithms, and tools in the field. This includes a basic introduction to genomics, along with in-depth coverage of algorithms and methods relevant to modern computational genomics, including: biological sequence alignment, sequence database homology search, and phylogeny inference. The programming expectations are limited for a 500-level computer science course, but at least one semester of a programming-intensive course is required. A substantial project is a key component of the course. Level: Graduate

CSCI 554 - Applications of Mining Big Data. 3 Credits.
Offered intermittently. Co-convenes with CSCI 464. Introduction to existing data mining software systems and their use, with focus on practical exercises. Topics include data acquisition, data cleansing, feature selection, and data analysis. Credit not allowed for both CSCI 464 and CSCI 564. Level: Graduate

CSCI 574 - Computer Security. 3 Credits.
Prereq., M 225, CSCI 332, and CSCI 332. Understand and apply cryptosystems, penetration testing, and fundamental exploits.

CSCI 575 - Software Optimization. 3 Credits.
Offered autumn. Prereq B- or better in CSCI 232 (or consent of instr.). Advanced coverage of passing by reference, bit twiddling, cache awareness, memory allocation, compiler optimizations, template recursion, optimizing out expensive mathematical functions, and more in the same vein to achieve higher performance C++11 code. C++11 programming language used. Co-Convenes with CSCI 475. Level: Graduate

CSCI 577 - Simulation Modeling. 3 Credits.
Co-convene with CSCI 477. Prereq., M 172, CSCI 151, or consent of instr. Matrix languages. ODE solving; Euler-Richardson, Runge-Kutta, PDE solving; finite differences, finite elements, multi-grid techniques. Discrete methods for solution, renormalization group method, critical phenomena. Emphasis on presentation of results and interactive programs. Conduct, document, and present graduate level research involving computer simulation methods. Credit not allowed for CSCI 477 and this course. Level: Graduate

CSCI 580 - Applied Parallel Computing Techniques. 3 Credits.
Offered intermittently. Prereq., CSCI 232, 205. Parallel processing architectures and programming languages. Co-convenes with CSCI 580. Credit not allowed for both CSCI 480 and CSCI 580. Level: Graduate

CSCI 590 - Research. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Directed individual research and study appropriate to the back ground and objectives of the student. Level: Graduate

CSCI 591 - Special Topics. 1-6 Credits.
(R-12) Offered intermittently. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offering of current topics. Level: Graduate

CSCI 592 - Independent Study. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student. Level: Graduate

CSCI 594 - Graduate Seminar. 1-6 Credits.
(R-6) Offered intermittently. Prereq., consent of instr. Seminar on current research topics in computer science. Level: Graduate

CSCI 595 - Practicum. 1-6 Credits.
(R-12) Offered intermittently. Prereq., consent of instr. Organized field experience.

CSCI 598 - Internship. 1-9 Credits.
(R-3) Offered intermittently. Prereq., consent of department. Business or government internship. Prior approval must be obtained from faculty supervisor and the Internship Services office. Only three credits applicable to computer science major or minor. Level: Graduate

CSCI 599 - Thesis/Project. 1-6 Credits.
(R-6) Offered every term. Prereq., consent of instr. Research for and preparation of the master thesis or professional paper. Level: Graduate