CSCI 107. Joy and Beauty of Computing. 3 Credits. (3 Lec) F
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.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11583 001 First 4 Weeks MTWR ROBH218 8:00am - 10:35am Session

CSCI 111. Programming with Java I. 4 Credits. (3 Lec, 1 Lab) F,S
COREQUISITE: M 151Q. Introduction to programming: program design, analysis, and
implementation in Java, including I/O, assignment, decision, iteration, scalar
types, arrays, control structures, methods, classes, and common data types. No
previous programming experience required.

Term CRN Section Session/Dates Days Location Time
2018 Summer 10928 001 Second 4 Weeks MTWR ROBH209 8:00am - 10:35am Session

CSCI 112. Programming with C I. 3 Credits. (2 Lec, 1 Lab) S
PREREQUISITE: CSCI 111 or CSCI 127 or EEELE 101. C Programming knowledge.
Introduces imperative programming and the C standard library. Course
covers pointers, memory management and structures.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11584 001 Second 4 Weeks MTWR BARNAH126 8:00am - 10:35am Session

CSCI 127. Joy and Beauty of Data. 4 Credits. (3 Lec, 1 Lab) F,S
COREQUISITE: M 151Q Provides a gentle introduction to the exciting world of
big data and data science. Students expand their ability to solve problems
with Python by learning to deploy lists, files, dictionaries and object-oriented
programming. Data science libraries are introduced that enable data to be
manipulated and displayed. To succeed in this course, either basic computer
literacy or CSCI 107 is recommended.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11584 001 Second 4 Weeks MTWR BARNAH254 2:00pm - 5:00pm Session

CSCI 132. Basic Data Structures and Algorithms. 4 Credits. (3 Lec, 1 Lab) F
PREREQUISITE: CSCI 111 or CSCI 127 and M 151Q. An examination of
advanced Java and basic data structures and their application in problem solving.
Data structures include stacks, queues and lists. An introduction to algorithms
employing the data structures to solve various problems including searching and
sorting, and recursion. Understanding and using Java class libraries. The laboratory
uses Java. Introduces Big-O Notation.

Term CRN Section Session/Dates Days Location Time
2018 Summer 10929 001 Third 4 Weeks MTWR ROBH208 8:00am - 10:35am Session

CSCI 215CS. Social & Ethical Issues in CS. 3 Credits. (2 Lec, 1 Rec) F
PREREQUISITE: W core and US core. Social and ethical issues as they relate to
computing, including privacy, risks, computer abuse, commerce, professionalism,
free speech, intellectual property, social justice, and current issues. History of computing,

Term CRN Section Session/Dates Days Location Time
2018 Summer 10930 001 Third 4 Weeks MTWR ROBH307 11:00am - 1:35pm Session

CSCI 232. Data Structures and Algorithms. 4 Credits. (3 Lec, 1 Lab) S
PREREQUISITE: CSCI 132. Advanced data structures and programming
techniques and their application. Topics include: trees, balanced trees, graphs,
dictionaries, hash tables, heaps. Examines the efficiency and correctness of algorithms. The laboratory uses Java. CSCI 246 is recommended as a prerequisite.

Term CRN Section Session/Dates Days Location Time
2018 Summer 10592 001 First 4 Weeks MTWR ROBH301 8:00am - 10:35am Session

CSCI 246. Discrete Structures. 3 Credits. (3 Lec) F
PREREQUISITE: M 171Q, COREQUISITE: CSCI 132. This course covers logic,
discrete probability, recurrence relations, Boolean algebra, sets, relations, counting,
functions, maps, Big-O notation, proof techniques including induction, and proof
by contradiction.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11356 001 First 4 Weeks MTWR ROBH218 11:00am - 1:35pm Session

CSCI 338. Computer Science Theory. 3 Credits. (3 Lec) S
PREREQUISITE: CSCI 246 and M 171Q. Formal languages, theory, automata,
Turing Machines, computability, the Church-Turing thesis, computational
complexity, and NP-completeness.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11585 001 Third 4 Weeks MTWR ROBH208 2:00pm - 4:35pm Session

CSCI 477. Simulation. 3 Credits. (3 Lec) F
PREREQUISITE: CSCI 112, consent of instructor, and a probability or statistics
course. Discrete and continuous simulation modeling methodology using a
computer simulation language; random number generation, output analysis,
validation, and verification; application to varied system design and analysis
problems. Cross-listed with EIND 422.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11268 001 First Half MTWR ROBH301 8:00am - 10:35am Session

CSCI 491. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand
Max 12 cr. PREREQUISITE: To be determined based on actual topic offered.
Courses not required in any curriculum for which there is a particular one-time
need, or given on a trial basis to determine acceptability and demand before
requesting a regular course number. Co-convened with CSCI 591.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11358 001 First Half MTWR ROBH218 8:00am - 10:35am Session

CSCI 491. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand
Max 12 cr. PREREQUISITE: Upper division courses and others as determined for
each offering. Courses not required in any curriculum for which there is a particular
one-time need, or given on a trial basis to determine acceptability and demand before
requesting a regular course number. Co-convened with CSCI 491.

Term CRN Section Session/Dates Days Location Time
2018 Summer 11520 002 Third 4 Weeks MTWR BARNAH254 8:00am - 10:35am Session

CSCI 599. Graduate Consultation. 1-3 Credits. (1-3 Ind; 3 cr max) On Demand
PREREQUISITE: Master's standing, consent of instructor and approval of director
of the School of Computing. This course may be used only by students who have
completed all of their course work, and thesis, if on a thesis plan but who need
additional faculty or staff time or help.

Term CRN Section Session/Dates Days Location Time
2018 Summer 10101 001 Full Semester MTWR ROBH218 8:00am - 10:35am Session
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.