CSCI - Computer Science/Programming

CSCI 107. Joy and Beauty of Computing. 3 Credits. (3 Lec) F,S
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 Session Session/Dates Days Location Time
2019 Summer 11320 001 May-start: 4x4 MTWR NAH153 11:00am - 1:35pm Session

CSCI 112. Programming with C I. 3 Credits. (2 Lec, 1 Lab) F,S
PREREQUISITE: CSCI 111 or CSCI 127 or EELE 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
2019 Summer 10570 001 May-start: 4x4 MTWR ROBERT209 8:00am - 10:35am Session

CSCI 116. Programming with Java I. 3 Credits. (2 Lec, 1 Lab) F,S
PREREQUISITE: M 151Q. Java. Introduces basic computer literacy and the Java programming language. Introduces the concept of an object-oriented programming language. Data structures and 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
2019 Summer 10716 001 July-start: 4x4 MTWR ROBERT208 8:00am - 10:35am Session

CSCI 118. Introduction to Computational Thinking. 3 Credits. (1-3 Ind; 3 cr max) On Demand
PREREQUISITE: 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
2019 Summer 10971 001 May-start: 4x4 MTWR ROBERT218 11:00am - 1:35pm Session

CSCI 246. Discrete Structures. 3 Credits. (3 Lec) F,S
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
2019 Summer 10971 001 May-start: 4x4 MTWR ROBERT218 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
2019 Summer 11120 001 July-start: 4x4 MTWR ROBERT208 2:00pm - 4:35pm Session

CSCI 581. Computational Thinking Tchr. 2 Credits. (1 Lec. 1 Lab) Su
PREREQUISITES: A minimum of 2 years high school teaching experience. The course examines the computing field and how it impacts the human condition. Exciting ideas and influential people are introduced. A gentle introduction to computational thinking using the Python programming language is provided. The course also introduces participants to robotic platforms.

Term CRN Section Session/Dates Days Location Time
2019 Summer 11250 001 Intersession - - - Session

CSCI 582. Joy Beauty Data for Teachers. 2 Credits. (1 Lec. 1 Lab) Su
PREREQUISITES: A minimum of 2 years teaching experience at the 7-12 grade level, and CSCI 581, Computer Science in the Classroom: Computational Thinking for Teachers or prior computer science experience, is a pre-requisite. Teachers who enroll in this course will extend their knowledge of the Python programming language and be gently introduced to the world of data science. The course builds upon the pre-requisite course that is the 2-credit, MSSE course entitled Computer Science in the Classroom: An Introduction to Computational Thinking. Teachers who complete this course will be better prepared to teach material covered in CSCI 127, The Joy and Beauty of Computing.

Term CRN Section Session/Dates Days Location Time
2019 Summer 11251 001 Non-standard MTWR ROBERT121 8:00am - 5:00pm Session
term dates 22- JUL-19 26- JUL-19

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
2019 Summer 10965 001 Full Semester - - - 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.