**CS 101 JAMES SCHOLAR HONORS CREDIT**

CS 101 offers the opportunity to earn James Scholar honors credit as part of the course. As with other honors credits, you will be required to complete a project over and above the basic requirements of the course, including writing a program and filing a report on your code and its underlying mathematics and operations with the professor.

Typical CS 101 projects are based on the appendices of Langtangen’s *A Primer on Scientific Programming with Python*. You will be expected to read and complete the work in Appendices C and D beforehand in preparation for selecting an exercise (or pair of exercises) from Appendix E. Once you have completed this work, write an analytical report (3–5 pages inclusive of equations and plots but exclusive of program code, which should itself be included as an appendix) and submit it by the James Scholar deadline identified on the course website to the professor.

(These exercises are presumptively in Python, but you could elect to complete a project using MATLAB, which translates reasonably closely from the Langtangen material.)

The James Scholar program is operated individually by each college, so you need to familiarize yourself with any specific requirements.

Deadlines for the honors project for CS 101 include a proposal deadline, a checkpoint midway through the semester, and a due date near the end of the semester. Consult the class agenda for more information on dates.