The Capstone

Class 7
Capstone Integrating Experience

To assist students in the integration and synthesis of knowledge, each major plans a “capstone,” or culminating experience, for seniors. The capstone experience primarily prompts seniors to reflect on the knowledge they have gained throughout their learning experiences and to integrate the knowledge, skills, and attitudes of liberal learning with an in-depth understanding of the major. Such unified understanding characterizes the educated person, able to apply academic learning to real life situations.
The CS Capstone

- every CS major is required to do a capstone experience
- if you are a double major, you can do a combined capstone if the other major allows it
- it must still satisfy the CS requirements
- the CS capstone is not part of a course
- you are responsible for
  - initiation
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http://wp-internal.truman.edu/cs/ → Capstones →
document

- cannot be equivalent to an assignment or project from a course
- even if you have not taken that course
- web-based systems face particular scrutiny for pre-approval; the bar is high

- you may do a capstone as part of a small group project
- your portion of the project must be clearly delineated
- not everyone on the project need use it as their capstone
Capstone Categories

- Corporate Internship
- Research Internship
- On-Campus Software Project
- Personal Software Project
- Individual Research
- Other
Capstone Process — Internships

1. Start
2. Find opportunity
3. Get description
4. Capstone system entry
5. Faculty pre-approval
6. Perform internship; daily log
7. Completion approval
8. Reflective writeup
9. Presentation
10. Graduate!
Capstone Process — Individual Projects

- start
  - brainstorm
  - consult faculty
  - capstone system entry
  - perform project; daily log; consult supervisor
  - faculty pre-approval
  - presentation
  - reflective writeup
  - completion approval
  - graduate!
Online Capstone System

- wp-internal.truman.edu/cs/ → Capstones → system
- report incorrect information
- student-written system inherited by Dr. Beck — feedback please
- you must create or update an entry with correct information
Online System Prior to Pre-Approval

1. confirm personal information
2. enter company name (if internship), experience supervisor, experience title, description
3. save information
4. consult with faculty
5. edit
6. print pre-approval form get faculty member approval by email
7. obtain three CS faculty signatures faculty member solicits other faculty
8. return signed form to Faculty 1 proposal is pre-approved
Online System After Pre-Approval

- confirm personal information
- consult with faculty
- add Note if something substantial changes
- change project to Inactive if you abandon this project