Experiential Learning in the Bachelor of Science degree in Computer Science at Missouri S&T


All BS in CS students effective with catalog year FS2015 must meet the following core required experiential learning requirement plus one of the following elective experiential learning requirements:

Core required experiential learning requirement:

- COMP SCI 4096

Elective experiential learning requirement:

- Any on campus course, not required for the BS in CS degree, listed on the CS department website as designated by the CS undergraduate committee as an experiential learning course.
- COMP SCI 2002 – Cooperative Work Training
- Undergraduate Research, including but not limited to OURE projects, NSF REU, Honors Academy Senior Research Project, CRA-W CREU/DREU, etc.; the faculty research advisor will have to complete a standardized assessment provided by the CS department and the student will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by said faculty advisor.
- Member of a SDLEC recognized Student Design team for at least one semester; a faculty advisor of the Student Design team will have to complete a standardized assessment provided by the CS department and the student will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by the student’s advisor.
- Member of a student team listed on the CS department website as recognized by the CS undergraduate committee for at least a semester; a faculty advisor of the student team will have to complete a standardized assessment provided by the CS department and the student will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by said faculty advisor.
- Officer in a student organization listed on the CS department website as recognized by the CS undergraduate committee, for at least an academic year; a faculty advisor of the student organization will have to complete a standardized assessment provided by the CS department and the student organization will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by the aforementioned faculty advisor.
- Internship/co-op/externship not done in combination with COMP SCI 2002; supervisor will have to complete a standardized assessment provided by the CS department and the student will
need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by the student’s advisor.

- **Service Learning**: member of any service learning team/organization listed on the CS department website as designated by the CS undergraduate committee as meeting the criteria for experiential learning for at least a semester; the team/organization’s advisor will have to complete a standardized assessment provided by the CS department and the student will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by the student’s advisor.

- **Mentor/coach/tutor** for at least an academic year in an S&T sponsored mentoring program (Student Success Coaches, Peer Learning Assistant, On-Track Mentor, Opening Week Mentor - which continues through the academic year with programming such as ReConnect1 and 2); the student’s supervisor will have to complete a standardized assessment provided by the CS department and the student will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by the student’s advisor.

- **Paraprofessional**, mentoring, peer teaching positions (Resident Assistants, Programming Resident Assistants, Chancellors Leadership Academy Advisors, Peer Involvement Advisors, Miner Mentors, Joe’s P.E.E.R.S., Health Related Careers Mentoring Program, Admissions Ambassadors, PRO Leaders) for at least an academic year; the student’s supervisor will have to complete a standardized assessment provided by the CS department and the student will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by the student’s advisor.

- **Year-long leadership involvement experiences** (Global Leaders Institute, Chancellor’s Leadership Academy, Student Leadership Conference Chair, University Innovation Fellow); a faculty or staff member supervising the experience will have to complete a standardized assessment provided by the CS department and the student will need to rate at least acceptable on said assessment as well as provide a reflection on the learning experience which must be deemed acceptable by the student’s advisor.

- **Custom**: if a student wants experiential learning credit for something not on above pre-approved list, then with the student’s advisor’s endorsement, they can submit via their advisor a proposal to the CS undergraduate committee describing the proposed experiential learning experience and justifying that it meets the elective experiential learning requirement.

The above referenced instructors/advisors/supervisors must submit their assessments electronically to the CS undergraduate secretary in order for the student’s experiential learning requirement to be checked off on their degree audit.