Assessment Plan

2017-18

Program (CENG) - Computer Science

University Mission: George Fox University, a Christ-centered community, prepares students spiritually, academically, and professionally to think with clarity, act with integrity, and serve with passion.
Program Mission: Mission: Educate students within a Christian environment in the discipline of computer science. Department faculty are committed to maintaining a curriculum that emphasizes the foundations and basic principles of computer science while exposing students to practical applications and current computing hardware and software technology.
Alignment of Program Mission to GFU Mission: Aligns most directly with GFU Core Themes #2 -- Professional Preparation.
Degree Outcomes:

- Demonstrate problem-solving competency through programming and software development.
- Understand applications of discrete structures and algorithms
- Apply theoretical and practical system implementations (architecture, operating systems, networking, database).
- Apply professional/ethical responsibility to their work.
- Understand cultural influences within the technical industry.

Assessment Coordinator: Brent Wilson

Outcome: Objective 1.1

Develop problem solving competency through programming and software development

Outcome Status: Active
OutcomeType: Student Learning Outcome

Assessment Tools

Exam/Quiz - National/State - ETS Major Field Exam (Active)

Target: No threshold set at this time until annual comparative data exists
Schedule for Data Collection: Annual
Schedule for Data Analysis & Reporting: May 15

Related Goals

College of Engineering

Departmental - Graduate well-rounded students of high character who are professionally competent, spiritually grounded, globally aware and socially engaged.

Program (CENG) - Computer Science

1) Majors master foundations of computer science.

Outcome: Objective 2.1

Understand applications of discrete structures and algorithms

Outcome Status: Active
OutcomeType: Student Learning Outcome

Assessment Tools

Program (CENG) - Computer Science

Exam/Quiz - National/State - ETS Major Field Exam (Active)

Target: No threshold set at this time until annual comparative data exists
Schedule for Data Collection: Annual
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Related Goals

College of Engineering

Departmental - Graduate well-rounded students of high character who are professionally competent, spiritually grounded, globally aware and socially engaged.

Program (CENG) - Computer Science

1) Majors master foundations of computer science.

Outcome: Objective 2.2

Understand theoretical and practical system implementations (architecture, operating systems, networking, database)

Outcome Status: Active
OutcomeType: Student Learning Outcome

Assessment Tools

Exam/Quiz - National/State - ETS Major Field Exam (Active)

Target: No threshold set at this time until annual comparative data exists
Schedule for Data Collection: Annual
Schedule for Data Analysis & Reporting: May 15

Related Goals

College of Engineering

Departmental - Graduate well-rounded students of high character who are professionally competent, spiritually grounded, globally aware and socially engaged.

Program (CENG) - Computer Science

2) Expose majors to practical applications and current computing hardware and software technology.

Outcome: Objective 3.1

Understand professional/ethical responsibilities.

Outcome Status: Active
OutcomeType: Student Learning Outcome

Assessment Tools

GPA - Senior Design Project (Active)

Target: 3.0
Schedule for Data Collection: Annual
Schedule for Data Analysis & Reporting: May 15

Program (CENG) - Computer Science

Related Goals

College of Engineering
Departmental - Graduate well-rounded students of high character who are professionally competent, spiritually grounded, globally aware and socially engaged.

Program (CENG) - Computer Science
3) Students show professionalism and integrity.

Outcome: Objective 3.2

Understand cultural influences within the technical industry

Outcome Status: Active

OutcomeType: Student Learning Outcome

Assessment Tools

Presentation/Performance - Student presentation of a system/software related challenge/issue rooted in cultural differences. Presentations will occur in either Software Engineering and/or Senior Design. (Active)
Target: B- **Schedule for Data Collection:** Annual **Schedule for Data Analysis & Reporting:** May 15

Related Goals

College of Engineering
Departmental - Graduate well-rounded students of high character who are professionally competent, spiritually grounded, globally aware and socially engaged.

Program (CENG) - Computer Science
3) Students show professionalism and integrity.