

CSCI Strategic Planning

Applied Computer Science (ACS)
undergraduate major

Subset of the CSCI major

- Same admission requirements as the CS major
- Costs nothing
- Serves students with several interests
- Attracts female students
- Attracts nontraditional students
- Supports interdisciplinary projects
- Demand for ACS graduates projected to increase
- Local businesses seek these graduates.

CSCI ACS program potential

- There is a need for the program in our region
 - We have a 100% placement rate
 - several employers in our region specifically seek to hire SCSU students in both CSCI and the ACS majors
 - DEED data indicates strong future demands

CSCI ACS program potential

- The ACS program is **unique** in our region
 - has all the rigor of an accredited CSCI major
 - allows for multidisciplinary interests
 - is sensitive to the needs of female students

CSCI ACS program potential

- Uses discipline-specific best practices
 - has the same set of learning outcomes as the ABET-accredited major
 - uses the same assessment plan

CSCI ACS program effectiveness

- Example:
 - An aviation student also majored in ACS.
 - He developed software while flying for Northwest
 - Started own company.
 - In 2002 he set up a \$50,000 endowment for scholarships

Without a CSCI ACS major

- No change in course offerings \rightarrow less economical department
- Less support for interdisciplinary projects
- Reduced opportunities for students having more than a single academic interest
- Reduced opportunities for female and nontraditional students
- Fewer candidates for jobs in local businesses
- No financial savings