

Outcome CS-h. Have experienced a well-rounded education in areas outside of the computer science major, with emphasis on the arts, sciences, and humanities.

The assessment is performed with respect to the key abilities that the students are expected to acquire in specific courses that have been identified with respect to this outcome.

Course	Performance indicators
GEC 2	Basic Mathematical Skills and Scientific Inquiry
GEC 3	The Past and Its Traditions
GEC 4	Contemporary Society
GEC 5	Artistic Expression
GEC 6	The Individual in Society
GEC 7	American Culture
GEC 8	Western Culture
GEC 9	Nonwestern Culture
COMM 112	Small Group Communication

Tools used: Graduating senior Survey.

Data Collection: Senior exit Survey responses.

Frequency of data collection: The data are collected from each student at graduation.

Data Analysis: Every year by faculty senate committee.

Closing the loop: This outcome is subject to review every year based on performance criteria and metrics and specific action items are developed, if necessary, to revise the selection of courses to fulfill this requirement. The analyzed data are presented to the CS curriculum committee which considers the results.

Performance criteria and metrics:

- a) Evaluate final grades in the 24 credits acquired as part of the GEC curriculum.
- b) Student responses to relevant question on graduating senior exit surveys must be $\geq 3.5/5$.

Assessment Tool:

Graduating Senior Survey

WVU Benjamin M. Statler College of Engineering and Mineral Resources Graduating Senior Survey 2014/15

This portion of the survey asks for contact information regarding alumni events and news.
Information from this part will be kept separate from the rest of the survey.

Personal Information:

Name _____

New Mailing Address _____

Permanent Address (if different) _____

Email address (permanent) _____

Phone number _____

Degree Earned _____

Department _____

Employer Information:

Name of Employer _____

Job Title _____

Address _____

Country _____

Phone Number _____

Additional Information _____

WVU Benjamin M. Statler College of Engineering and Mineral Resources

Graduating Senior Survey 2014/15

Please provide the following information. **All responses in this part of the survey will be kept confidential**, and only aggregate data is used in reporting.

Graduation Month: Dec / May / Aug

Major (check all that apply):

- | | | |
|--|---|--|
| <input type="checkbox"/> Aerospace Engineering | <input type="checkbox"/> Computer Science | <input type="checkbox"/> Petroleum and Natural Gas Engineering |
| <input type="checkbox"/> Biometric Systems | <input type="checkbox"/> Electrical Engineering | <input type="checkbox"/> Biomedical Engineering |
| <input type="checkbox"/> Chemical Engineering | <input type="checkbox"/> Industrial Engineering | <input type="checkbox"/> Geology |
| <input type="checkbox"/> Civil Engineering | <input type="checkbox"/> Mechanical Engineering | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Computer Engineering | <input type="checkbox"/> Mining Engineering | |

Overall GPA: _____ / 4.0 Gender: M / F Home State/Country: _____

Race/Ethnicity: African-American Hispanic Caucasian Other
 Asian-American Native American Foreign National

For Race/Ethnicity, please select all that apply. If you are an international student, please select Foreign National.

1. Please mark each program(s) that you participated in during your undergraduate studies.
 a. Co-op; b. Internship; c. Study abroad; d. Service Learning; e. Undergraduate Research
2. If you've participated in any of the above activities in question 1, please list the organization(s) and location(s):

3. How long ago did you begin the job/graduate school search process?
 <3 months; 3-6 months; 6-9 months; >9 months
4. Which of the following best describes your immediate employment/education status following graduation?
 a. I do not plan to work in my field or continue my education. **(Please complete the other side of this form)**
 b. I am still interviewing/searching for a job or graduate school. **(Please complete the other side of this form)**
 c. I have a job offer(s) but have not yet accepted. **(Please complete the other side of this form)**
 d. I have been accepted into graduate school. **(Please go to question 5)**
 e. I have accepted a job position in my professional area. **(Please go to questions 6 through 10)**

5. University Name: _____;
- a. Program: MS; Ph.D.; Professional Degree MBA; MD; DDS; Law
- b. Were you offered an assistantship/fellowship/etc? Yes; No;
- c. If you have an assistantship, my monthly stipend is: < \$1,000 \$1,000-1,500 \$1,500-2,000
 \$2,000-2,500 \$2,500+

Please complete the other side of this form

6. My employer's name is _____
7. My employer's business is best described as _____

A. Academia	B. Construction	C. Consulting	D. Energy & Mineral Extraction	E. Financial
F. Government/military	G. Healthcare	H. Manufacturing	I. Service	J. Other
8. My employment is located in: WV; MD; NJ; NC; OH; PA; VA; Other
 If other, please specify where: _____
9. My starting annual salary is approximately (in units rounded to the nearest \$1000):
 < \$30k; \$30-34k; \$35-39k; \$40-44k; \$45-49k; \$50-54k; \$55-59k; \$60-64k;
 \$65-69k; \$70-74k; \$75-79k; \$80-84k; \$85-89k; \$90-94k; \$95-99k; \$100k+

Please complete the other side of this form

To help the assessment activities of the college and your major we ask that you take a few minutes to provide us feedback on your perception of how your undergraduate program prepared you in a number of important educational outcome areas. **All entries will be treated as confidential.**

Please give your assessment for items “a” through “q” and “r”, if it applies, using the following rating scale.

5 -strongly agree; 4 -agree; 3 -neutral; 2 -disagree; 1 -strongly disagree; N/A –not applicable (for r. i. & ii.)

10. Through the education and training I attained with my baccalaureate degree I have acquired the knowledge, skill or ability to:

- a. ___ Use the basic principles and practices of my engineering discipline
- b. ___ Recognize available opportunities and need to pursue continuing education and lifelong learning
- c. ___ Apply knowledge of mathematics to solve equations or systems of equations necessary for the solution of engineering problems
- d. ___ Apply knowledge of chemistry and physics effectively in solution of engineering problems
- e. ___ Design and conduct experiments relevant to the needs of my engineering discipline
- f. ___ Acquire, analyze and interpret data and information relevant to the needs of my engineering discipline
- g. ___ Design a component, system, or process to meet desired engineering outcomes and needs
- h. ___ Function on multidisciplinary teams to manage engineering projects
- i. ___ Translate a general problem description into a specific engineering approach
- j. ___ Understand professional and ethical responsibilities of a professional engineer
- k. ___ Effectively communicate my ideas, recommendations, etc. to others verbally
- l. ___ Effectively communicate my ideas, recommendations, etc. in memos, reports, etc.
- m. ___ Appreciate the impact of engineering from multi-cultural and global perspectives
- n. ___ Appreciate my engineering discipline’s impact on contemporary environmental and societal issues
- o. ___ Conduct economic evaluation of importance cost factors in engineering designs
- p. ___ Recognize the impact of engineering design on worker or public safety
- q. ___ Utilize software to solve problems relevant to the needs of engineers practicing my discipline in industry
- r. ___ If you transferred to WVU from another institution or department how would you agree with the following statements:
 - i. ___ The procedure for accepting my transfer was relatively seamless and straight forward
 - ii. ___ The procedure for validating credit for courses taken elsewhere was efficient

COMMENTS: _____

Note: If you’ve indicated that you are still searching for a job or graduate school, would you be willing to participate in a follow up survey? If so, could you please provide an email address we may use to contact you with the survey? Thanks!

e-mail: _____