

**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 \_\_\_\_\_

\_\_\_\_\_

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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:** \_\_\_\_\_  
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*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: \_\_\_\_\_