**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.

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

**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
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):

- Aerospace Engineering
- Computer Science
- Petroleum and Natural Gas Engineering
- Biometric Systems
- Electrical Engineering
- Geomedical Engineering
- Chemical Engineering
- Industrial Engineering
- Geology
- Civil Engineering
- Mechanical Engineering
- Other: ____________________
- Computer Engineering
- Mining Engineering

Overall GPA: ______ / 4.0  Gender: M / F  Home State/Country: ______________________________

Race/Ethnicity:  
- African-American
- Asian-American
- Native American
- Caucasian
- Other
- Hispanic
- Other
- 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 you 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 __________
   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.  ____ Design a component, system, or process to meet desired engineering outcomes and needs
   n.  ____ Appreciate the impact of engineering from multi-cultural and global perspectives
   o.  ____ Appreciate my engineering discipline’s impact on contemporary environmental and societal issues
   p.  ____ Conduct economic evaluation of importance cost factors in engineering designs
   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: ________________________________