

The purpose of this survey is to inform the ECC meeting discussion about the future of engineering undergraduate education (the "Ivy Engineer"), and emerging areas of research. The data from the survey will be collected and presented to ECC as part of our strategic planning discussion, and will be discussed in breakout groups.

Please submit your results no later than October 18.

Please rank order (drag and drop) the aspects of an engineering undergraduate education that are most critical to a successful career. #1 is most critical; #16 is least critical. Note: Many of these attributes are drawn from a survey currently being conducted by ASEE.

Demonstrates an understanding of engineering, science and mathematics fundamentals

Demonstrates an understanding of political, social and economic perspectives

Demonstrates an understanding of information technology, digital competency, and information literacy

Demonstrates an understanding of stages/phases of product life-cycle (design, prototyping, testing, production, distribution, supply chain and management, disposal or recycle, etc.)

Demonstrates an understanding of project planning, management, and the impacts of projects on various stakeholder groups (project team members, project sponsor, project client, end-users, etc.)

Demonstrates an understanding of the ethical and business norms and applies norms effectively in a given context (organization, industry, country, etc.)

Communicates effectively in a variety of different ways, methods, and media (written, verbal/oral, graphic, listening, electronically, etc.)

Communicates effectively to both technical and non-technical audiences

Possesses an international/global perspective and demonstrates the cultural sensitivity and understanding to be effective in multi-cultural environment

Possesses fluency in at least two languages

Possesses the ability to think both critically and creatively

Possesses an entrepreneurial drive

Possesses the ability to think both individually and cooperatively

Functions effectively on a team (understands team goals, contributes effectively to team work, supports team decisions, respects team members, etc.)

Functions effectively in a diverse environment (including gender, ethnic and national origin) and appreciates the importance of having different perspectives brought to bear on complex problems

Understands a systems approach to problem solving

Identify attributes or skills you believe were overlooked in the above list:

Attribute/skill

Attribute/skill

Attribute/skill

Identify up to two emerging research areas that the college should consider as an area of focus in the future (5-10 years from now):

Research area

Research area

Please indicate your preference for participation in a breakout session:

- Education priorities for the "Ivy Engineer"
- Research themes on the horizon
- Am not attending fall ECC meeting

Additional comments:

Your name:

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