A Protein, a Question, and an Answer

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A Protein ...

BEE CEE EAS MAE ORIE
AEP CBE CS ECE MSE TAM

A Question ...

How can this sequence of amino acids code for breadth of education and (at the same time) help regulate life in the cell?

And an Answer ...

- 1. Flexibility in Math/Science Reg'ts
 - Equal status for biology
 - Equal status for discrete mathematics
- 2. Ethics not Engineering Ethics
 - Use Cornell
 - Elevate the status of the liberal electives
- 3. Play Ball at the University Level
 - Help reshape liberal education
 - Help redefine "broadening programs"

Science Flexibility

Now:

2 physics + 2 chemistry

or

3 physics + 1 chemistry

Proposed:

2 physics + 1 chemistry + 1 approved choice

Math Flexibility

Now:

Calculus I, Calculus II, Linear Algebra, Differential Equations

Recently Approved:

Calculus I, Calculus II, Linear Algebra, Differential Equations or Abstract Algebra, or Number Theory or Discrete Math or Statistics or...

Ethics not Engineering Ethics

Engr 360 Engineering Ethics

Phil 247 Ethics and Public Life

NTRES 407 Religion, Ethics & Environment

ILRCB 482 Ethics at Work

NBA 578 Business Ethics

Elevate the Status of Liberal Electives

Current:

Six courses spread over humanities, social sciences, performing arts, foreign language.

Proposed:

Same, but force one to be an ethics course and require foreign language for Engineering Honors.

Think at the University Level

Engineering can expand the campus definition of liberal education.

Engineers have just as much to contribute as History, Government, and Economics Majors to programs like Cornell-in-Washington.

Conclusion



This sequence can code for breadth of education and regulate life in the cell if we are

Flexible regarding the core

Hard line when it comes to liberal electives

Proactive regarding the campus mission