

CSSE Curricula

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- What is the objective?
- Where might the subject matter fit, in terms of departmental structures/curricula?
- What are target colleges, within and outside of the consortium?
- What are the prerequisites?
- What are the new courses (or new material, if not new courses)?

What is the objective?

- A major field?
- An area of concentration?
- A collection of courses?
- New course materials for existing courses?
- What will we have at the end of 2 years and at the end of 5 years?

What department?

- Computer science?
- Computer engineering?
- Aerospace engineering?
- Automotive engineering?
- Bioengineering/Biomedical engineering?
- Multi-disciplinary?
- Other?

“Natural” homes

- ESSE

- Computer science/engineering
- Aerospace engineering
- Automotive engineering

- BSSE

- Computer science/engineering
- Bioengineering/Biomedical engineering/Bioinformatics

What curricula are relevant?

- ACM CC2005 (?)
- Other?

What colleges?

- Project participants
- MIT, Georgia Tech - because of reputation
- CUNY and SUNY system - because they are related to participants
- Other?

What prerequisites?

- BSSE:

- Programming, Algorithms, Software Modeling, Software V&V, Numerical Analysis?, Scientific Computing?, Calc 1-3, Prob & Stat
- Biology prerequisites?
- Chemistry prerequisites?

- ESSE

- Programming, Algorithms, Architecture, OS, Computer Systems Engineering, Digital Logic, Embedded Systems, Software Modeling, Software V&V, Calc 1-3, Prob & Stat



New courses or materials?

- ???