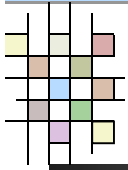


Technology Degree

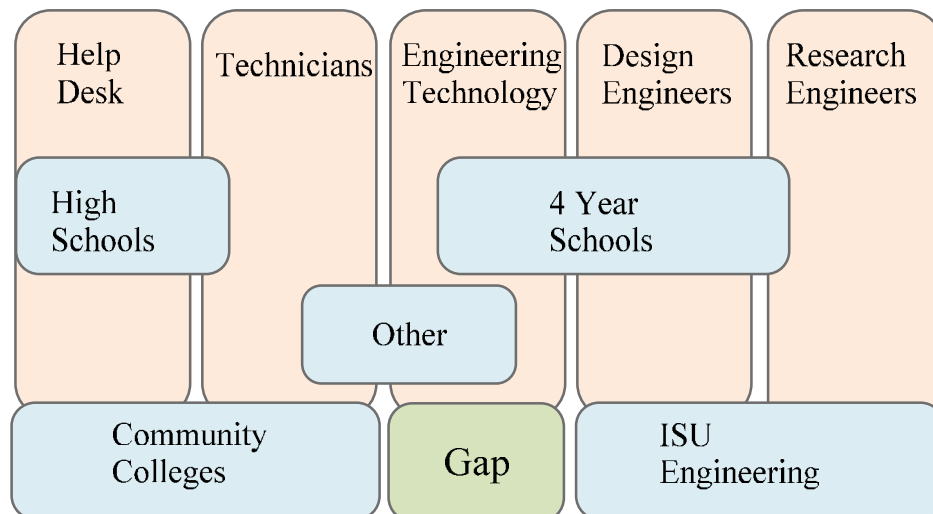
Draft Proposal

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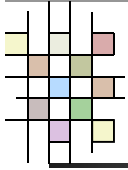


Current education production

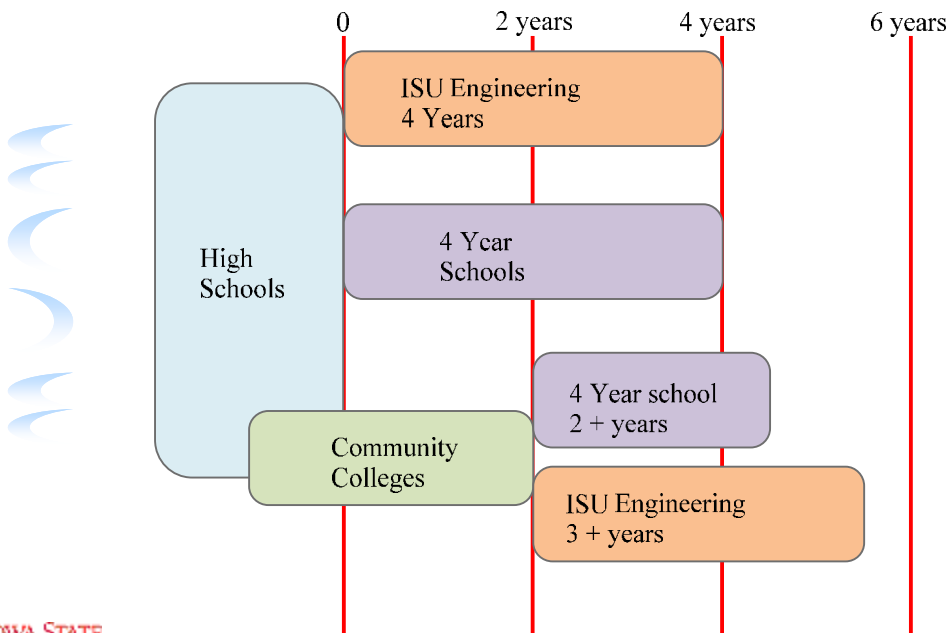
Employer Needs



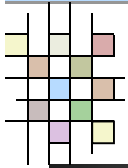
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Current Educational timeline



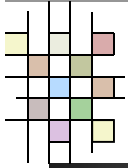
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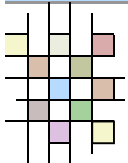
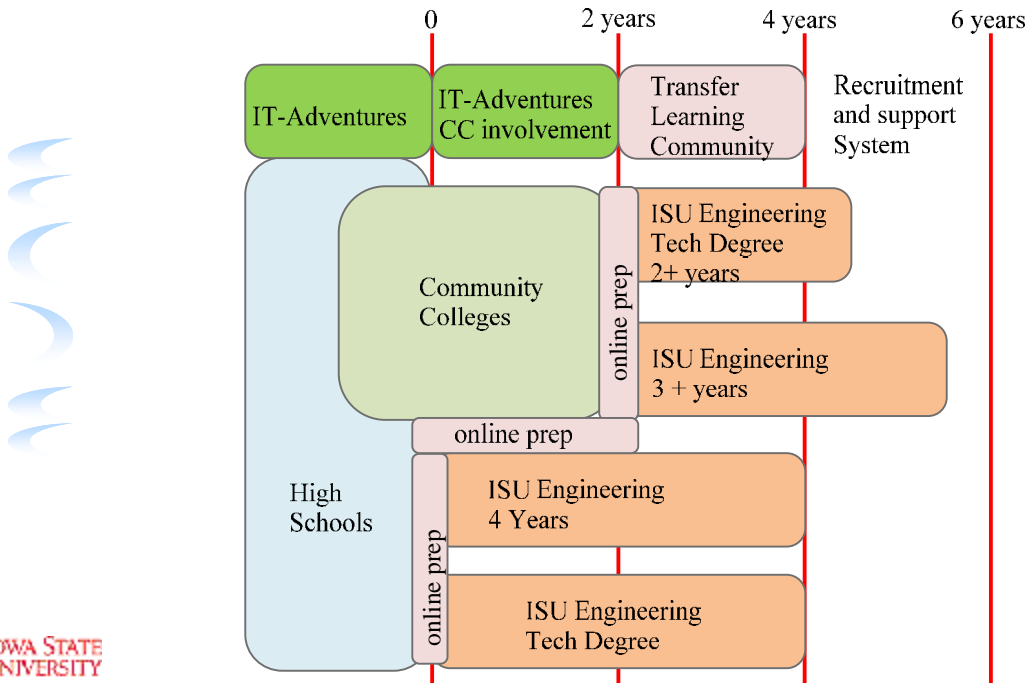
Issues

- n Shortage of workers at all levels
- n Not all students want a design or research job
- n Employers are wanting more than a 2 year AA degree as technology is getting more complex to install, configure, manage and maintain.
- n MIS at ISU does not fill the current needs for students that are technology focused

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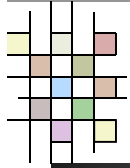


Proposed System



The Plan

- n Implement an ABET accredited "Engineering Technology" program
 - n Computer Engineering Technology
 - n Electrical/Electronics Engineering Technology
 - n Information Engineering Technology
- n Primary focus would be for students not destined for ECpE and for transfer students from community colleges
- n Design a support system of transfer students
 - n Learning communities

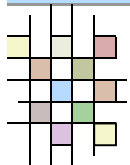


Degree Outline

SSH & Lib	16.5
Math (3 courses)	12
Physics (111/112)	8
Chem or Bio	4
Discrete math	3
Stat	3
Applied Math (new course ?)	3
Total	49.5
Core Tech classes	32
Hardware/software design	4
Project Management	6
Electives	28
Capstone Course	5
Total	75
Total	124.5



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Where to go next

- n Community College feedback (Dec 6th)
- n Industrial feedback (Dec 15th Tentative)
- n Degree proposal in spring.
- n Work towards NSF funding through the ATE (Advanced Technology Education) program



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