

# CAREER Panel

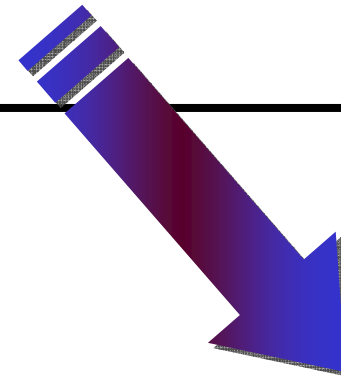
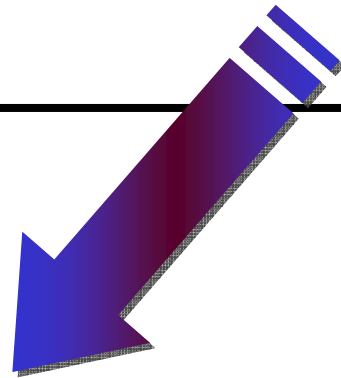


Bagley College of Engineering  
Development Series

Adrienne Minerick  
Swalm School of Chemical  
Engineering

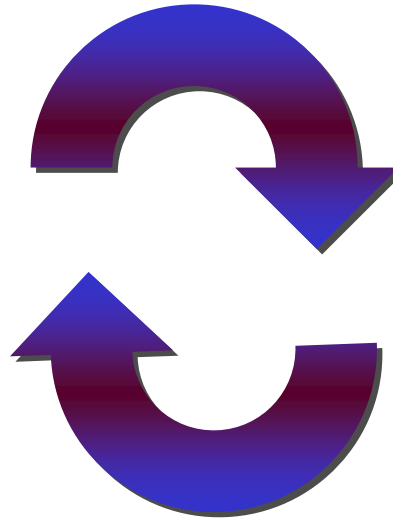
21 March 2007

# Integrated CAREER Plan



Research  
Plan

Educational  
Plan



Answers a  
key  
scientific  
question

With a  
research  
related  
theme

# Research Plan



>  $\frac{2}{3}$ rds of the proposal

- Exciting Idea
- Background / Foundation
  - What's missing?
  - Intellectual merits of your idea
- Your plan to systematically test and correct the deficiency
  - Include preliminary data
- Implications of your work (research / industry)
  - Ties into broader impacts
- Plan to include grad / undergrad, disseminate results

# Educational Plan



- Tie into your research theme
- Produce an intellectual product
  - Disseminate ideas and results
- Target more than 1 age group
  - PEs, grade school
- Get support letters / partners
  - Write drafts for them
- Propose to teach a new course
  - Provide outline of topics

# Educational Plan



- Don't need to do everything
- Need to do something significant, strategically
- Show preliminary involvement

# Reviews



1. Have colleagues *critically* review proposal before you submit it
  - Give them guidelines
2. Using feedback from NSF reviews
  - Don't read them while your feelings are hurt
  - Take notes from the reviews - highlight frequency of comments
  - Bad idea OR good idea poorly presented?
    - Step back and approach problem differently

# Overall



- Clearly communicate specific goals of project (both research and education)
  - In Project Summary
  - In Introduction
  - In Intellectual Merit / Broader Impact discussion in project description
- Give timeline that includes research and educational milestones
- Consistency
  - Cross reference throughout the proposal (research to education and vice versa)