An Active Partnership:
An Advisory Committee’s Role
Presenters
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Delaware Technical & Community College
Delaware’s Statistics

- Population: 783,600 (45th)
- Area: 1,982 square miles (49th)
- Location: East Coast- Bordered by New Jersey, Maryland, Pennsylvania
- School Districts: 19
Delaware’s Statistics

• Higher Education
  – 1 Community College – 4 Locations
  – 2 Public Universities
    • University of Delaware
    • Delaware State
  – 2 Private Colleges
Delaware’s Four C’s?

• The 4 C’s
  – Cars
  – Chemicals
  – Chickens
  – Credit Cards
Who Are the Partners?
Who Are the Partners?
The Beginning

In 2002, the University of Delaware and Delaware Technical & Community College officially began a partnership to address the state’s critical need for secondary mathematics teachers.
The Beginning

• Connecting an associate degree (AAT) to bachelor’s degree (BA)
• Formal articulation agreement
  – Specific courses
  – Minimum 2.5 G.P.A
  – Passage of Praxis I.
Promotion and Sponsorship

College Presidents:

• Dr. David Roselle, UD
• Dr. Orlando George, DTCC
• Both mathematicians
Trouble Shooting Course
Requirements

• Meeting of the faculties
• Course sequence and requirements revised
• Facilitated by Dr. Watson
Delaware Tech Statistics

Active Delaware Tech MSE Students: 97
Enrolled MSE Students Spring 2007: 51
DTCC MSE Graduates:
2005- 1  2006- 3  2007- 3
University of Delaware Statistics

Enrolled MSE Students Spring 2007: 93
UD MSE Graduates
2002- 7  2003- 6  2004- 4
2008 – single digit
Advisory Committee Composition

- Delaware Department of Education
- University of Delaware
- Delaware Tech
- K-12 school district partners
Usual Role:
DTTC Advisory Committee

• approve curricula
• establish fieldwork sites
• implement a targeted recruitment plan
• facilitate successful student graduation
• transfer in an AAT-BA connected degree
Innovative Role:
DTTC Advisory Committee

• Diversify and expand committee membership
• Invite input from DTCC program graduates
• Develop a transformational initiative
UD Transformational Grant

- Learning is situational
- DTCC students need academic and emotional support after transferring to UD

Proposal developed and implemented by Dr. Jinfan Cai, professor in the Department of Mathematical Sciences at UD and coordinator of its secondary education in mathematics program.
UD Transformational Grant

• To foster their seamless transition to the university
• To create a peer-mentoring program to support these transferring students academically and emotionally.
UD Transformational Grant

• Recruit students from the respective programs to serve as peer mentors on one to one basis

• University established partnerships with Delaware Tech in various areas, including mathematics secondary education, criminal justice, and biology
UD Transformational Grant

During the summer two-day orientation

• Experience different aspects of the university

• Engage in one-to-one tutoring of the courses they will take in the fall.
UD Transformational Grant

Engage in one-to-one tutoring of the courses

- Review syllabi and topics in the first chapters of the textbooks
- Help transferring student foresee potential challenges
- Devise strategies to overcome difficulties
UD Transformational Grant

• Rationale: Academically, because of different requirements and styles of teaching, transferring students may experience challenges or lack of prior knowledge to take UD courses in the very first semester.
UD Transformational Grant

• During the academic year
  – each peer mentor will meet her/his transferring student five hours a week on a regular basis.
  • Academic
  • Emotional Support / Coaching
UD Transformational Grant

- Request two years funding
- Second year
  - the second-year transferring students selected to mentor the first-year transferring students.
Delaware Initiatives: Student Growth

Changing HS Graduation Requirements

• Class of 2011

• 4 credits of Mathematics (including skills equivalent to Algebra I, Algebra II and Geometry). One math credit must be taken in the student’s senior year.
Delaware Initiatives: Student Growth

The Delaware SEED (Student Excellence Equals Degree) Scholarship Program provides tuition for eligible full-time students enrolled in an associate's degree program at DTCC and UD.
Delaware Initiatives: Student Growth

Delaware Teacher Corps

• Service-repayment loan, or “loan forgiveness,” of up to $5,000 yearly to full-time students at a Delaware college teacher certification in a critical need area.

• First preference: middle and high school mathematics or science
Questions and Answers
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