Are you ready to transform the lives of community college students and diversify the computer science (CS) and information technology (IT) student body at four-year institutions? Let *Pipeline-in-a-Box* ease the way.

AT-A-GLANCE

Pipeline-in-a-Box: Promoting Advancement of CS/IT Students from Two-Year to Four-Year Institutions is a complete set of resources developed to strengthen the relationship between community college and four-year institutions in a way that increases the number of women and underrepresented minorities graduating with CS and IT baccalaureate degrees.

Why we need *Pipeline-in-a-Box*

The number of graduates from computer science and IT fields is diminishing, even as the job opportunities are steadily increasing. Enrollment in computer science and IT baccalaureate programs is at an all-time low, leaving industries with a growing shortage of qualified workers.

Pipeline-in-a-Box is a win-win for both communities colleges and four-year institutions. By strengthening the relationships between them, community colleges can earn prestige from increasing the number of students who transfer into and complete baccalaureate programs, while four-year institutions can increase enrollment in and diversify their CS programs by recruiting women and underrepresented minorities.

RESOURCES IN THIS BOX

ACTION GUIDE: GETTING STARTED

- » Make your case
- » Build your team
- » Recruit comminity college students
- » Articulate transfer pathways
- » Retain and graduate them

CONVINCING DATA AND PROFILES

- » Guide to Gathering Local and National Salary Data and Employment Projections (PDF)
- » Guide to Developing Local Employment Data (PDF)
- » Guide to Creating Local IT Student and Worker Profiles (MS Word)
- » Creating Local CS/IT Student and Worker Profiles Handout Sample (PDF)
- » Local Graduation Rates (for benchmarking) (PDF)
- » Breadth of CS/IT (PDF)
- » By the Numbers (PDF)

RECRUITMENT MATERIALS AND PROGRAMS

- » Recruitment Activity: University of Washington Career Videos (PDF)
- » Undergraduate "Hangout" Sessions (PDF)
- » How to Sponsor "A Day at a Four-Year" (PDF)
- » Recruitment Road Show for Community College Students (PowerPoint Presentation)

Recruitment Posters

- » Make ends meet (PDF)
- » Where can IT take you? (PDF)
- » Want to be...? (PDF)
- » IT: Your portable future (PDF)
- » IT's a Woman Thing (PDF)
- » Be the next IT girl! (PDF)

TOOLS FOR INITIATING CONTACT

- » Sample Letter from a Two-Year to a Four-Year Institution (MS Word)
- » Sample Letter from a Four-Year to a Two-Year Institution (MS Word)

TEAM MEETING MATERIALS

- » Tips for Calling Your First Meeting (PDF)
- » Establishing Team Norms and Expectations (PDF)
- » Collaborative Meeting Slides (PowerPoint Presentation)
- » Contact Information (MS Word)

COMMUNITY COLLEGE TO FOUR-YEAR TRANSFER

- » Community Colleges and Four-Years: the Same, but Different (PDF)
- » Offer a Bridge Program: Bolster Community College to Four-Year Student Success (PDF)

Achieving the baccalaureate through the community college

Role Reversal: While getting accepted to a four-year engineering program can be difficult, once they're in, community college students prove their worth and win over university skeptics

Enhancing the community college pathway to engineering careers

Community colleges and baccalaureate attainment

ARTICULATING TRANSFER PATHWAYS

- » Articulation: the Good, the Bad, and the Ugly (PDF)
- » Articulation Agreements "Path of Least Resistance" for Students (PDF)

Improving Articulation Policy to Increase Transfer

NCWIT PROMISING PRACTICES

The following retention Practices, and others, are available at www.ncwit.org/practices

- » The Conversational Classroom: Retaining Women through Inclusive Pedagogy
- » Designing for Diversity: Recruiting Women through Inclusive Pedagogy
- » Faculty Perspectives: Using REUs to Retain Female Undergraduates
- » Media Computation at Georgia Tech: Attracting Students through an Engaging Introductory Computing Curriculum
- » MentorNet—www.MentorNet.net: An Example of Effective Electronic Mentoring
- » Pair Programming: Retaining Women through Collaborative Learning
- » Peer-Led Team Learning: Retaining Women through Collaborative Learning
- » Regional Celebrations of Women in Computing— R-CWIC: An Example of Intentional Role Modeling
- » Small Steps Toward Systemic Change: Examples of Initiatives to Increase Women's Representation in Computing

RESOURCES AT THE READY

Visit the NCWIT website (www.ncwit.org/pipeline), and unpack the Box to start using the materials and build your effective transfer pipeline.

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