AccessComputing: Progress of Teens with Disabilities Toward STEM Careers

Project Inputs Leading Students to Critical Junctures

Transition from home to elementary school and progression to high school

High school and computing success
Inputs: 1-7

Graduation from high school with computing strength

Transition to 2-year college
Inputs: 1-6, 8

Success in 2-year college courses
Inputs: 1-7, 10, 11, 13

Graduation from 2-year college in computing field

Transition to employment
Inputs: 1, 2, 10, 11, 13

Computing career position

Computing career success, with possible transitions between positions
Inputs: 1, 2, 13

Graduation from high school with computing strength

Transition to 4-year school
Inputs: 1-6, 8

Success in 4-year college courses,
Inputs: 1-7, 10-13

Graduation from 4-year college in computing field

Transition to graduate school
Inputs: 1, 2, 9

Success in graduate school
Inputs: 1, 2, 6, 7, 11-13

Graduation from graduate school in computing

Project Inputs

1. Peer, near-peer, mentor, & family support
2. Identification & utilization of resources
3. Technology access
4. Activities to develop STEM interests
5. Activities to develop self-determination
6. Academic accommodations, including in computing
7. Academic support, including in computing
8. College preparation activities
9. Preparation for graduate school
10. Career preparation & work-based learning activities
11. Paid internships in computing
12. Research experiences in computing
13. Employment accommodations

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