PARTNERING WITH BUSINESS TO REVERSE THE SKILLS GAP

JIM GOODNIGHT, CEO, SAS
ANALYTICS INDUSTRY GROWTH IS STRONG
65%

Percentage of US jobs that will require post-secondary education and training beyond high school by 2020

Source: “Recovery, Job Growth and Education Requirements through 2020,” Georgetown Center on Education & the Workforce, June 2013
5 MILLION Shortfall of US workers with post-secondary credentials needed by 2020

Source: “Recovery, Job Growth and Education Requirements through 2020,” Georgetown Center on Education & the Workforce, June 2013
WHAT IS DRIVING THESE SKILLS GAPS
26 States where computer science courses cannot count toward high school graduation requirements

5% Percentage of high schools with AP-certified computer science teachers

<1% Percentage of high school students enrolled in AP computer science courses

COLLEGE READINESS
Percentage of 2014 ACT-tested high school graduates that met college readiness benchmarks

- 26% 4 subjects
- 31% 0 subjects
- 13% 3 subjects
- 14% 2 subjects
- 16% 1 subject

CLASS OF 2015

- 100% graduation rate with 86 degrees conferred
- 100% job placement
- 248 employment offers
- 3 job offers per student on average
- 100% employed in the US
- 19-21 months average payback period

Source: "Master of Science in Analytics 2015 Employment Report," Institute for Advanced Analytics, NC State University
MASTER’S PROGRAMS AT 80+ UNIVERSITIES
COMBINE TWO OR MORE ACADEMIC DISCIPLINES
ORGANIZE A DEGREE AROUND A PROFESSIONAL AREA OF PRACTICE
PROMOTE COLLABORATION
ACCELERATED DEGREE PROGRAMS
Professors and graduate students as mentors
Professors and graduate students as mentors

Close coordination with K-12 systems
Professors and graduate students as mentors

Close coordination with K-12 systems

Collaboration with business community
Clemson + BMW
Maryland + Northrop Grumman
Louisiana + CGI
Sussex + American Express
Minnesota + Land O’Lakes
Louisiana Tech + CSC
South Dakota State + Raven Industries
Munich + Audi
Concordia + Area companies
Delaware + DuPont and Merck
UC Davis + Viticulture and Enology
Loughborough + Ford Motor Company