Table of Contents

Talent Pipeline Development Case Studies and Programs

In talent development offerings, seek industry input early and often .................................................. 3
With industry input, LSU-Alexandria creates program to fill cybersecurity talent gap ................................. 7
JMU collaborates with other VA schools and brings talent to industry partners ....................................... 10
Arizona community colleges and Intel are building a semiconductor workforce .................................... 12
Drexel U and Lockheed Martin create ‘Launchpad’ to the future ............................................................... 16
U Louisville offers special cocktail of training programs for distilled spirits industry ............................... 19
New U Cincy institute designed to boost future workforce for Industry 4.0/5.0 ............................................ 22
For Lockheed Martin and its university partners, it's all about the talent .................................................. 25
Marquette expands century-long Kohler partnership with student innovation challenge .............................. 28
ASU reworks engineering schools to mirror industry, open student career paths ..................................... 31
UCSF’s industry-based PhD program offers new model for directly linking talent to company .................. 35
UMass Amherst co-locates companies for access to research and student talent ..................................... 37
In bid for fintech industry ties, Kennesaw State trains both students and faculty ....................................... 40
St. Ambrose looks to industry in developing strategic plan for engagement .............................................. 45
Penn State, IBM take partnership to next level with talent pipeline deal .................................................... 48
K-State boosts talent pipeline as students mine data for partners .............................................................. 50

Experiential Learning, Capstones, Co-ops and Internships

Focus on capstones can be critical to building and strengthening long-term industry partnerships .......... 55
A demanding capstone is the highlight of the ESTEEM Program at Notre Dame ....................................... 60
Protecting confidentiality and IP in industry-sponsored capstone projects .............................................. 64
Gold-standard co-op program at U Waterloo built and financed for success ............................................ 67
Lehigh partnership links student interns with early-stage start-ups ......................................................... 73
UCSD internship program blazes a different trail using teams of students ............................................. 78
Ole Miss seeks to cover all the ‘BASES’ with new collaboration program .............................................. 82
Curricula Development

U Utah's mapping strategy ensures curriculum addresses industry needs ........................................ 87
NVIDIA partnership with U Florida prompts full integration of AI into curriculum ............................... 90
Input from industry partners helps identify gaps in student skills ....................................................... 93
Gilead ‘flips the script’ in new partnership with HBCUs and HSIs ...................................................... 98

Corporate Upskilling

Universities grow programs for upskilling and re-skilling industry partners' employees ..................... 103
Thomas More U's on-site professional development sessions a hit with industry .............................. 110
U Toronto and LG partnership features ‘inverted internship’ for industry researchers ....................... 113
Stevens Institute helps upskill corporate employees with grad degrees, certificates .......................... 116

DEI Programs

Coalition for equitable skills training a foundational piece for Mid-South ‘Silicon Valley’ .................. 121
Micro-internship program focused on women in tech attracts 125 companies ................................. 126
Ole Miss partners with HBCUs to tackle “workforce cliff” in insurance industry .............................. 132
GSK partners with FIU students to increase diversity and reduce health disparities ......................... 135
Micro-internships create opportunities for diversity on many different levels ............................... 139
Paid internship program will benefit UWM students from diverse backgrounds ............................ 144