Industry Forum Hi-Tec 2018

Pilot Survey Results

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Pilot Survey

- Administered to (15) people participating in the Hi-Tec Industry Forum on July 24, 2018
- Industry Sectors represented:
 - ► Technology & Nanotechnology
 - Energy (2)
 - Manufacturing (Precision Manft, Laser Manft, Advanced Manft)
 - Machine Design
 - Education
 - Adv Materials
 - Aerospace / Engineering
 - Laser & Electro-Optics
 - Nuclear
 - Cross-Industry
 - Defense

Technical Skills Needed in New Hires

- Read technical drawings 73%
- Measurement67%
- Electricity / electronics 53%
- Mechanical testing 53%
- Work safely47%
- ► Wiring 40%
- Read charts/graphs 40%
- Coding 33%
- Others: data science, tool & die, creativity & problem-solving, material management, "plumbing" - gas, liquid, vacuum, etc, laser techs

"Soft" Skills Needed in New Hires

Teamwork / Collaboration	100%
Personal Responsibility & Work Ethic	93%
Problem-Solving	87 %
Verbal Communication	87 %
Ethics	80%
Time Management	80%
Written Communication	73%
Social Skills	73%
Planning & Organizing	73%

Other: Documentation, Leadership, Innovation

Encourage Employees to...

Take courses at the community college 93%

Earn certificates60%

Earn AA/AS degrees47%

Comments: expect employees to already have AS degrees

Hiring from Two-Year Technical Programs

- Do you hire from two-year technical programs
 - ► 73% YES 27% NO
- From these programs: data science, analytics, cyber, MTT, CNC, mechatronics (2), MTMS, EE, CS, laser tech, machine tech, drafting, mechanical, electrical, nuclear engineering tech, senior technician
- From these Disciplines: engineering, IT, applied math, computer science, maintenance, tool & die, engineering tech (2), chemistry, material tech, technicians

What channels are used for hiring?

- Internships / Co-ops 82%
- Faculty referrals55%
- On-campus job fair45%
- On-campus interviewing 45%
- Social media (i.e. LinkedIn) 45%
- Alumni networks 45%
- Campus job boards 27%
- Other: Headhunter, partner with colleges
- Comments: Don't know where to recruit from at colleges, don't hire from two-year programs - need senior folks

Final Survey Question

- In the past year, have you hired a student from a two-year technical program?
 - ▶ 53% YES
 - ▶ 47% NO