

Iowa's Network



IT | Health | Utilities | Manufacturing

In pursuit of greater economic strength Iowa's Information Technology, Healthcare, Utilities, and Manufacturing (IHUM) Network, consisting of all 15 Iowa community colleges, was developed to increase the education and training of TAA-eligible workers in the high-growth industries of health, information, manufacturing, and utilities. Industry clusters were developed to meet the regional needs and draw on the expertise of each individual college within the consortium. Related occupations provide high-wages and will allow participants to be financially self-sufficient. To achieve this the consortium has developed a sector-driven approach that has successfully engaged regional employers and industry representatives from the development phase. IHUM utilizes evidence-based strategies based on a sound review of literature and best practices from previously-funded TAACCCT projects.

Strategy 1: Expand & Enhance Sector-Driven Career Pathways

Milestones and Implementers:

- Align curricula with relevant national standards and industry/employer recognized credentials
- Align non-credit offerings with credit courses
- Expand and enhance work-based learning experiences
- Align Information Technology cluster pathways with apprenticeships (EICC, KCC, NICC)

Deliverables:

Audited and redesigned curricula, updated college facilities, offer 45 new credentials, letters of commitment from employers and industry representatives, development and pilot of RAP (EICC, KCC, NICC only), continue PLA progress started in I-AM (Round 2—TAACCCT).

Strategy 2: Advance Online & Technology-Enabled Learning

Milestones and Implementers:

- Enhance and expand simulation into courses and trainings
- Expand online and blended course offerings
- Create and distribute Open Educational Resources

Deliverables:

Public licensing of curricula and training materials, distribution through project and online repositories, offering a minimum 19 online/blended program, incorporation of simulation into courses, development and publication of a scorecard that updates on a regular basis.

Strategy 3: Create Expanded & Individualized Student Support Services

Milestones and Implementers:

- Implement specialized recruitment and retention efforts.
- Improve student career planning
- Implement accelerated and/or contextualized remediation programs

Deliverables:

Develop and implement online, modular-based programs, "boot camps", individual/peer tutoring, individual hands-on lab assistance, utilization of Pathway Navigators, targeted recruitment marketing materials on multiple platforms, implement a web-based tool that can generate regional LMI paired with applicable programs of study.

Strategy 4: Create & Improve Alignment with Industry & State Agencies

Milestones and Implementers:

- Develop IHUM Sector Strategy Committee consisting of members from IWD, IEDA, Iowa DE, and four consortium members (representing each of the industries)
- Create or strengthen regional industry advisory committees
- Create joint marketing and outreach efforts with state agencies
- Collaborate with state agencies on a participant referral process
- Partner with industry and state agencies on job fairs and mission-based events

Deliverables:

Meeting minutes, new industry partnerships developed during the grant period, IHUM and RAP materials developed, outreach efforts to educate WIBs, a minimum of one event annually.

Signature Programs:

IHUM Healthcare Credentials

SIGNATURE PROGRAM	IHCC	ICCC	IWCC	NCC	NIACC	SCC	SWCC	WIICC
Dental Assisting			Di					
Dental Hygiene	De		De					
Medical Administrative Assistant			Di		De			Di
Medical Coding				C+				Di
Nursing Assistant			C					C
Nursing: Advanced Placement			De		De			C
Nursing: Associate Degree	De		De			De		
Nursing: Associate Degree Nursing	De	D	De	De*	De			Di/De
Nursing: Practical Nursing	Di		Di	De*	Di	Di		Di
Occupational Therapist Technology			De+					
Pharmacy Technician				C+				C
Physical Therapist Assistant			De					
Prep Dental Hygiene			De					
Prep Nursing			De					
Radiologic Technician				De+				
Registered Nurse							De	De
Respiratory Therapy						De		
Surgical Sterile Processing			C					Di/De
Surgical Technology			De					

IHUM Utilities Credentials

SIGNATURE PROGRAM	IVCC	ILCC
Electrical		Di / De
Gas Line Technician	De+	
HVAC		De
Power Line Technician	De+	
Utility Technician	C / Di	
Water Quality		De
Wind		Di/De

C - Certificate, Di - Diploma, De - Degree, NC - Non-Credit, + - New Program

IHUM Information Technology Credentials

SIGNATURE PROGRAM	EICC	NICC	KCC
Administrative Professional/IT Bridge (PACE)			C+ (NC is being revised)
Animation/Game Design	De	De+	
Apprenticeship Program			NC+/C+ / Di+ / De+
CIW (certified Internet Web Professional)			C+
Computer Software Development			De
Computer Support Specialist			De
Computer Applications	De	De+	
Database Administration	De		
Database Technology			C+
Desktop Support			C+ / Di+
Experiential/Internship Opportunity			Di+ / De+
Fiberoptics Tech		C+	
Hardware/Help	De		
Health Information Technology			C+
Health Information Technology - Online			C+
Java			C
Mobile Apps			C+
.NET			C
CompTIA Network+			C+ (N/C)
Networking	Di/De		
PC Technician			C / Di
Programming	De		
Security & Forensics	De		
Server Administration	De		
Storage Area Network Tech		De	
Voiceover IP			Di+

IHUM Manufacturing Credentials

SIGNATURE PROGRAM	DMACC	HCC
Industrial Automation		C+ / NC / Di+ / De
Tool & Die (CNC)	C	
Tool & Die (Machinist)	Di	
Tool & Die	De	
Robotics	De	

Outcome Projections / Measures:

Total

1. Total Unique Participants Served	7,030
2. Total Number of Participants Completing a TAACCCT-Funded Program of Study	4,747
3. Total Number of Participants Still Retained in Their Program of Study or Other TAACCCT- Funded Program	3,011
4. Total Number of Participants Completing Credit Hours	6,659
5. Total Number of Participants Earning Credentials	4,835
6. Total Number of Participants Enrolled in Further Education	1,561
7. Total Number of Participants Employed After TAACCCT-funded Program of Study Completion	2,621
8. Total Number of Participants Retained in Employment After Program of Study Completion	2,040
9. Total Number of Those Participants Employed at Enrollment Who Received a Wage Increase Post-Enrollment	3,113

Industry Partners:

In addition to a partnership with Iowa Economic Development Authority, the Department of Education, 14 Industry Representatives, Iowa Workforce Development and Workforce Investment Boards (15); IHUM is partnering with the following industry members who have signed letters of commitment in support of this initiative:

Alliant Energy, Anemometry Specialists, Black Hills Energy, Christian's Sheet Metal & HVAC, Dubuque Data Services, Friendship Haven, General Mills, Greater Regional Medical Center, Hartwig Inc., Hillcrest Health Services, Holy Spirit Retirement Home, Integrated DNA Technologies, Iowa Lakes Electric Cooperative, Jefferson County Health Center, Lee County EMS Ambulance Inc., Mason City Clinic, Medical Associates Clinic, Mercy Medical Center, Montgomery County Memorial Hospital, Muscatine Power & Water, Osceola Community Hospital, Ottumwa Regional Health Center.

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