YOUNGSTOWN STATE UNIVERSITY

BOARD OF TRUSTEES
WORKFORCE EDUCATION AND INNOVATION COMMITTEE
Charles T. George, Chair
Laura A. Lyden, Vice Chair
All Trustees are Members

Wednesday, December 6, 2023
3:00 p.m. or immediately following
previous meeting

Board Room
Tod Hall

AGENDA

A. Disposition of Minutes

B. Old Business

C. Committee Items

    1. Workforce Education and Innovation Discussion Items

C.1.a. = Tab 1   **a. Divisional Highlights**
    Jennifer Oddo, Vice President of Workforce Education and Innovation, and
    David Janofa, Associate Vice President, will report.

C.1.b. = Tab 2   **b. Strategic Initiatives**
    Jennifer Oddo, Vice President of Workforce Education and Innovation, and
    David Janofa, Associate Vice President, will report.

C.1.c. = Tab 3   **c. Quarterly Financial Overview**
    Jennifer Oddo, Vice President of Workforce Education and Innovation,
    David Janofa, Associate Vice President, and Kelli Miller, Director of Finance and
    Operations, will report.

C.1.d. = Tab 4   **d. Departmental Updates**
    Jennifer Oddo, Vice President of Workforce Education and Innovation, and
    David Janofa, Associate Vice President, will report.

C.1.e. = Tab 5   **e. Key Performance Indicators**
    Jennifer Oddo, Vice President of Workforce Education and Innovation,
    David Janofa, Associate Vice President, and Kelli Miller, Director of Finance and
    Operations, will report.

2. Background Materials

C.2.a. = Tab 6   **a. Workforce Education and Innovation Catalog**
Jennifer Oddo, Vice President of Workforce Education and Innovation, and
David Janofa, Associate Vice President, will report.

C.2.b. = Tab 7   **a. TILT Strategic Plan**
Jennifer Oddo, Vice President of Workforce Education and Innovation, and
David Janofa, Associate Vice President, will report.

C.2.c. = Tab 8   **a. Data Science Masters Program Press Release**
Jennifer Oddo, Vice President of Workforce Education and Innovation, and
David Janofa, Associate Vice President, will report. Of note, Dr. Thomas Wakefield and
Dr. G. Jay Kerns will join to discuss the evolution of our Data Mine to Masters Program.

D. New Business

E. Adjournment

The Division of Workforce Education and Innovation begins its **4th** year since our journey from concept to Division with now over **40+ faculty, staff, and students** supporting our workforce training programs and initiatives collectively with the region. The hard work and commitment from the TEAM have since brought in over **$15M** in grants, contracts, and gifts. These dollars have gone back to the YSU community, the region's community partners, companies, and individuals in the form of scholarships, new programs, and support systems for the stakeholders we serve, including:

- YSU Data Mine and corporate sponsored research projects
- High School Scholarships and funding for counselors
- ETC / STEM Collaborative Research Projects
- YSU Shark Tank
- Youngstown/Warren Regional Chamber Regional Workforce Coalition
- Training for companies like NLMK, Ultium, Foxconn and others
- University partner collaboration, funding and shared practices

We have issued over **14K** badges, certificates and industry recognized credentials through our online, classroom, and hybrid offerings to K-12, YSU students, companies and community members. Our team is serving on advisory councils and boards throughout the region and the state including the Governor's Office of Workforce Transformation EV and Advanced Manufacturing Leadership Councils, Youngstown/Warren Regional Chamber Workforce and Economic Development Councils, Mahoning and Columbiana County Workforce Board, Team NEO Talent Development Council, YWRC Young Professionals, Regional Funding Hub, and The Ohio State University Center for Automotive Research Advisory Board. (to name a few)

The YSU Workforce TEAM has worked tirelessly to build this organization from a scrappy start-up to growth organization. But our work, in some ways, is just getting started. We recognize that sustainable growth in numbers cannot be realized without excellence in all that we do. This fiscal year will bring a focus on:

- **Optimization** - Doing things well and right. Tightening up our operational and financial systems, internal processes, and educational offerings.
- **Goal Setting** - Focusing on goals and priorities that meet the needs of those we serve.
- **Teamwork** – Renewed focus on building trust, transparency, and authenticity in our interactions with our clients, our partners, and each other.

Together as a TEAM and with the support of YSU leadership, our administrative staff, and faculty, we are committed to playing our part in **Taking Charge of our Future**, building opportunities for everyone to participate in career and educational pathways that support the vibrancy of our great institution and our region.

Jennifer Oddo

Vice President, Jennifer Oddo
Division of Workforce Education and Innovation

Strategic Initiatives

Optimization

1) Reporting: Finance and Operations TEAM developing new monthly reporting protocols and audit cadences to include:

   - HR Payroll Analysis
   - Expenditure Report
   - Course Enrollment Report
   - Course Profitability Analysis
   - Departmental Level Financials
   - Skills Accelerator (registration tool) Reports

2) Educational Offerings: Optimize delivery models and classroom usage for high demand programs focused on"

   - Analysis for-credit opportunities for students taking DWEI classes – ITAG, RPA, Block Credit, Apprenticeships
   - Modularize existing programs to create a more agile delivery model for increased participation rate
   - Profitability Analysis

3) Operational Excellence:
   a. Creation of operational playbooks
      i. Divisional, department, facilities

Goal Setting

1. Expand partnerships on campus: Establish new partnerships on campus to that reach new a new demographic of students to include more student organizations, Gen Ed, First Year Experience, Exploratory, and interested professors across campus.
2. Create an entrepreneurship ecosystem: and promote opportunities through the ETC – secure funding and promote opportunities through microgrants and an annual pitch event, and develop relationships to highlight licensing opportunities.
3. Increased participation with external communities: high schools, companies, and community partners.
4. Conduct quarterly business reviews (QBR) to inform, educate and improve on all operational practices.

Teamwork

1. Cross departmental projects to increase collaboration, best practices and open communication.
2. Divisional Meetings (Leaders and All Hands) to continue to inform on policies, educate on practices and celebrate the great work of the TEAM.
3. Activities on and off campus to help support the communities we serve.

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Quarterly Financial Overview

Divisional Resources

Account Title	PD of Performance	Total Grant Award	Adjusted Budget	Expenditures YTD	Encumbrances YTD	Available Balance	Revenue Recognized YTD
General/Operating							
General	N/A	N/A	$ 10,273.00	$ -	$ -	$ 10,273.00	$ -
General	N/A	N/A	$ 28,890.00	$ -	$ -	$ 28,890.00	$ -
Research Incentive CO	N/A	N/A	$ 27,259.00	$ -	$ -	$ 27,259.00	$ -
Research Incentiv CO ETC	N/A	N/A	$ 6,109.00	$ -	$ -	$ 6,109.00	$ -
Grants Residual	N/A	N/A	$ 13,641.00	$ -	$ -	$ 13,641.00	$ -
Grants Residual	N/A	N/A	$ 76,634.00	$ 72,676.00	$ 3,788.00	$ 170.00	$ -
			$ 162,806.00	$ 72,676.00	$ 3,788.00	$ 86,341.00	$ -
Grants							
MV WF Partner	7/1/21-6/30/23 (PENDING NCE REQUEST)	$ 200,000.00	$ 140,900.00	$ 25,205.00	$ -	$ 115,696.00	$ 25,205.00
Tech Prep 23	7/1/22-6/30/24	$ 20,000.00	$ 20,000.00	$ 6,012.00	$ -	$ 13,988.00	$ 7,643.00
Comm Support Fnds CWDS	Evergreen	$ 3,500,000.00	$ 633,533.00	$ 357,381.00	$ 198,095.00	$ 78,058.00	$ -
Comm Supp-ESITC	Evergreen	$ 1,500,000.00	$ 1,394,498.00	$ 179.00	$ -	$ 1,394,319.00	$ -
MVICC FY 22 23	7/1/21-6/30/23 (PENDING NCE REQUEST)	$ 1,000,000.00	$ 185,759.00	$ 234,128.00	$ 1,120.00	$ (49,489.00)	$ 185,759.00
Tech Cred 13	2/2/22-5/31/23 EXPIRED	$ 30,000.00	$ 29,000.00	$ -	$ -	$ -	$ -
TechCred Rd 15	6/1/22-9/30/23	$ 15,936.00	$ 15,936.00	$ -	$ -	$ 15,963.00	$ -
TechCred Rd 19	1/1/23-5/31/24	$ 16,206.00	$ 16,206.00	$ -	$ -	$ 16,206.00	$ -
TechCred 21	6/1/23-9/30/24	$ 26,592.00	$ 26,592.00	$ -	$ -	$ 26,592.00	$ -
			$ 2,462,425.00	$ 622,905.00	$ 199,214.00	$ 1,611,305.00	$ 218,606.00
Total Divisional:			$ 2,625,230.00	$ 695,582.00	$ 203,002.00	$ 1,697,646.00	$ 218,606.00

Excellence Training Center

Account Title	PD of Performance	Total Grant Award	Adjusted Budget	Expenditures YTD	Encumbrances YTD	Available Balance	Revenue Recognized YTD
General/Operating							
Continuing Ed WF	N/A	N/A	$ 519,354.00	$ 131,972.00	$ 55,275.00	$ 332,107.00	$ 106,376.00
			$ 519,354.00	$ 131,972.00	$ 55,275.00	$ 332,107.00	$ 106,376.00
Grants							
Hybrid Mfg	8/26/21-9/30/23 (PENDING NCE REQUEST)	$ 1,544,361.00	$ 317,913.00	$ 40,253.00	$ 46,778.00	$ 230,882.00	$ 40,784.00
DLA 4.0	4/1/22-09/30/24	$ 3,259,775.00	$ 1,240,186.00	$ 151,568.00	$ 487,312.00	$ 601,306.00	$ 215,183.00
DLA 4.0 + Option A	9/1/22-9/30/24	$ 2,535,455.00	$ 2,143,161.00	$ 81,852.00	$ 283,486.00	$ 1,777,823.00	$ 90,853.00
			$ 3,701,261.00	$ 273,673.00	$ 817,576.00	$ 2,610,011.00	$ 346,820.00
Grants							
MVICC Ops	N/A	N/A	$ 1,784.00	$ -	$ -	$ 1,784.00	$ -
Ed Youth Camps	N/A	N/A	$ 25,379.00	$ 1,361.00	$ -	$ 24,018.00	$ -
Burton D Morgan ETC Gift	N/A	N/A	$ 1,669.00	$ 1,600.00	$ -	$ 69.00	$ 20,000.00
YSUF Roth End Gifts	N/A	N/A	$ 23,300.00	$ -	$ -	$ 23,300.00	$ 7,100.00
YSUF Humtown	N/A	N/A	$ 5,300.00	$ -	$ -	$ 5,300.00	$ 2,125.00
YSUF Greenwood	N/A	N/A	$ 7,650.00	$ -	$ -	$ 7,650.00	$ 4,000.00
			$ 65,082.00	$ 2,961.00	$ -	$ 62,121.00	$ 33,225.00
Equipment Grants							
RAPIDS 5	10/1/21-9/30/23 (PENDING NCE REQUEST)	$ 540,833.00	$ 439,382.00	$ -	$ 423,408.00	$ 15,974.00	$ -
Rapids 6	12/1/22-12/31/24	$ 316,834.00	$ 316,834.00	$ -	$ 263,994.00	$ 52,840.00	$ -
			$ 756,216.00	$ -	$ 687,402.00	$ 68,814.00	$ -
Total ETC:			$ 5,041,913.00	$ 408,607.00	$ 1,560,253.00	$ 3,073,053.00	$ 486,421.00

Period July – Sept 2023

Division of Workforce Education and Innovation

IT Workforce Accelerator

Account Title	PD of Performance	Total Grant Award	Adjusted Budget	Expenditures YTD	Encumbrances YTD	Available Balance	Revenue Recognized YTD
General/Operating							
Continuing Ed WF	N/A	N/A	$ 50,000.00	$ (4,518.00)	$ 674.00	$ 53,844.00	$ 1,791.00
			$ 50,000.00	$ (4,518.00)	$ 674.00	$ 53,844.00	$ 1,791.00
Grants							
Amplifying Ohio Pathways	3/24/22 - 6/30/24	$ 100,000.00	$ 93,048.00	$ -	$ 39,588.00	$ 53,460.00	$ -
ARC 5G Readiness	10/1/22 - 9/30/25	$ 1,652,742.00	$ 1,019,710.00	$ 112,062.00	$ 462,021.00	$ 445,627.00	$ 90,800.00
ODODD Pathways	1/1/23 - 6/30/24	$ 500,000.00	$ 469,059.00	$ 14,837.00	$ 107,320.00	$ 346,902.00	$ 18,739.00
Quest Broadband & 5G - Node	7/1/23-9/30/24	$ 883,912.00	$ 883,912.00	$ 452.00	$ 521,159.00	$ 362,301.00	$ 14,186.00
IMAP Round 2	1/1/22-7/31/23 EXPIRED	$ 241,990.00	$ 222,012.00	$ 28,740.00	$ -	$ -	$ 28,740.00
IMAP Round 3	7/1/23-9/30/24	$ 240,860.00	$ 225,369.00	$ 3,398.00	$ -	$ 221,971.00	$ 3,398.00
Cash Match ARC 5G	10/1/2022-9/30/25	$ 497,862.00	$ 377,887.00	$ 23,723.00	$ -	$ 354,164.00	$ -
			$ 3,290,997.00	$ 183,212.00	$ 1,130,088.00	$ 1,784,425.00	$ 155,862.00
Total ITWA:			$ 3,340,997.00	$ 178,694.00	$ 1,130,762.00	$ 1,838,269.00	$ 157,653.00

Tressel Institute for Leadership and Teamwork

Account Title	PD of Performance	Total Grant Award	Adjusted Budget	Expenditures YTD	Encumbrances YTD	Available Balance	Revenue Recognized YTD
Gifts/Endowment							
TILT	N/A	N/A	$ 452,458.00	$ 70,791.00	$ 79,864.00	$ 301,803.00	$ 2,000.00
Gifts	N/A	N/A	$ 310,473.00	$ 6,411.00	$ 900.00	$ 303,162.00	$ -
YSUF Tressel St Work	N/A	N/A	$ 119,299.00	$ 10,122.00	$ -	$ 109,177.00	$ 28,450.00
			$ 882,229.00	$ 87,324.00	$ 80,764.00	$ 714,142.00	$ 30,450.00
Total TILT:			$ 882,229.00	$ 87,324.00	$ 80,764.00	$ 714,142.00	$ 30,450.00

Williamson Innovation Park

Account Title	PD of Performance	Total Grant Award	Adjusted Budget	Expenditures YTD	Encumbrances YTD	Available Balance	Revenue Recognized YTD
Gifts/Endowment							
Williamson	N/A	N/A	$ 76,650.00	$ 18,694.00	$ -	$ 57,956.00	$ -
			$ 76,650.00	$ 18,694.00	$ -	$ 57,956.00	$ -
Total WIP:			$ 76,650.00	$ 18,694.00	$ -	$ 57,956.00	$ -

Period July – Sept 2023

Excellence Training Center

- Received $20,000 from Burton D. Morgan Foundation for microgrants for YSU students and YSU alums with businesses in Ohio.
- Offered new workforce classes, Drafting and Print Reading AND Allen Bradley Studio 5000 ControlLogix Maintenance and Troubleshooting CCP153.
- ETC Open House on Aug. 25 for YSU faculty and staff.
- 94 new course enrollments

IT Workforce Accelerator

- IT Workforce Accelerator team leaders represented Northeast Ohio and YSU at the national CyberShare Summit in Pittsburgh, PA.
- AT&T awarded YSU's IT Workforce Accelerator $20,000
- Visited 15 area high schools to promote YSU Workforce programs
- 114 new course enrollments

Williamson Innovation Park

- Discussions with Boardman, Poland, and Canfield teachers for class field trips: chemistry class, biology class, technology class
- STEM Teams engaged with WIP including YSU Penguin Baja Racing off-road vehicle team (collecting vehicle performance dataand designing a full test track), YSU Design Build Fly 3D printed RC airplane team (practicing controlled flying), YSU Penguin Combat Robotics battle bots team (designing a test arena), YSU Human Powered Vehicle urban transportation team (building a test and practice track)
- Creating partnerships with YSU Faculty and Staff to host students at the WIP Facilities including:
  - Physics: Practice for 3D printed boomerang testing for Choose Ohio First research team
  - Astronomy: Plans to have evening star/planet viewing events; plans to conduct some astronomy labs at the site in spring
  - Biology: Plans to start wetlands water collection to test for water quality and biomarker testing
  - Engineering Technology: Plans to host a drone competition
  - Amateur Radio Club: Plans to set up a telecommunications network
  - Bitonte College of Health and Human Services leadership: Taking information back to faculty to generate plans for future site usage

Tressel Institute for Leadership and Teamwork
- 2nd year implementation of Personal Leadership Badge into Honors College
- Creation of strategic plan and design of offerings in high schools and industry.
- Jenna Binsley transition to divisional role as Assoc. Director Marketing; Jennifer Oddo to assume interim leadership role.
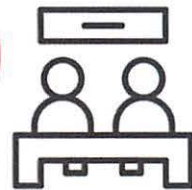- 512 new course enrollments.

Key Performance Indicators

Period July – Sept 2023

1740 NEW LEARNERS

5810 NEW COURSE ENROLLMENTS

COURSE BREAKDOWN

76% COURSE COMPLETION RATE

21% ACTIVE COURSE RATE

3% COURSE DROP RATE

100%

Note: New data reporting quality measures have been implemented and some discrepancies were discovered in Skills Accelerator reporting. Demographic information is not available at this time and until further analysis and reconciliation is completed. The reported data has been verified by DWEI Finance and Operations.

Division of Workforce Education and Innovation

EXPLORE OUR CAREER PATHWAYS AND FIND THE RIGHT FIT FOR YOU
BADGES, MICRO-CREDENTIALS, INDUSTRY RECOGNIZED CREDENTIALS, NON-DEGREE CERTIFICATES

ADVANCED MANUFACTURING
(IN-PERSON)

ADDITIVE MANUFACTURING

NCN Master 3D Printer Operator Master Badge **(IRC) (T)**

Badge #1: Intro to Digital Design

Badge #2: Design for FDM 3D Printing

Badge #3: Computer-Aided Mfg(CAM)

Badge #4: Fundamentals of FDM 3D Printing

Badge #5: Post-processing FDM 3D

Badge #6: Maintenance & Troubleshooting for FDM 3D Printing

INDUSTRIAL MAINTENANCE

Industrial Maintenance: Mechanical - Basic Pneumatics (96-PNE1/85-BP) **(MC)**

Industrial Maintenance: Mechanical - Intermediate Pneumatics **(MC)**

Industrial Maintenance: Mechanical - Basic Hydraulics **(MC)**

Industrial Maintenance: Mechanical - Principles of Hydraulics **(MC)**

Industrial Maintenance: Electrical - AC/DC Electrical Systems(T7017A) **(MC)**

Industrial Maintenance: Electrical - Electric Wiring Systems (850-MT6B) **(MC)**

Industrial Maintenance: Electrical - Electric Motor Control (85-MT5) **(MC)**

INDUSTRIAL MAINTENANCE (CON'T)

Industrial Maintenance: Electrical - Motor Troubleshooting System (85-MT2E) **(MC)**

Industrial Maintenance: Electrical - AC Motor Drives (990-DRV1) **(MC)**

Industrial Maintenance: Electrical - Basic Electrical Print Reading **(MC)**

Industrial Maintenance: Electrical - Print Reading 1 (950-PR1) **(MC)**

Industrial Maintenance: Mechanical - Mechanical Drives 1 (970-ME1) **(MC)**

Industrial Maintenance: Mechanical - Mechanical Drives 2 (97-ME2) **(MC)**

Industrial Maintenance: Mechanical - Rigging Systems 1 (950-RGB1) **(MC)**

Industrial Maintenance: Mechanical - Rigging Systems 2 (95-RGB2) **(MC)**

Industrial Maintenance: Mechanical - Piping **(MC)**

Industrial Maintenance: Mechanical - Mathematics 1 **(MC)**

Industrial Maintenance: Mechanical - Trigonometry 1 **(MC)**

PROGRAMMABLE LOGIC CONTROLLER (PLC)

Industrial Ethernet Fundamentals for Manufacturing **(MC)**

Rockwell Automation/AB Studio 5000 ControlLogix System Fundamentals CCP146 **(IRC) (T)**

Rockwell Automation/AB Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming CCP151 **(IRC) (T)**

Studio 5000 Logix Designer Level 3: Project Development CCP143 **(IRC) (T)**

ROBOTICS

FANUC HandlingTool Operation and Programming **(IRC) (T)**

SAFETY

OSHA 10-Hour Construction Certification **(IRC)**

OSHA 10-Hour General Industry Certification **(IRC)**

OSHA 30-Hour Construction Certification **(IRC)**

OSHA 30-Hour General Industry Certification **(IRC)**

ADVANCED MANUFACTURING
(ONLINE)

BETA - YSU Battery Cell 101

Certified Manufacturing Associate (CMfgA) **(IRC)**

Certified Manufacturing Technologist (CMfgT) **(C)**

Engineering Essentials **(MC)**

Engineering Technician **(MC)**

Certified Manufacturing Engineer (CMfgE) **(C)**

Robotics in Manufacturing Fundamentals (RMF) **(IRC)**

Certified Additive Manufacturing - Fundamentals (CAM-F) **(IRC)**

Certified Additive Manufacturing - Technician (CAM-T) **(IRC)**

Machining Essentials **(MC)**

Machine Operator **(MC)**

Mechatronics Essentials **(MC)**

Mechatronics Technician **(MC)**

Electrical Production **(MC)**

Electrical Technician **(MC)**

Quality Technician Essentials **(MC)**

PRE-APPRENTICESHIP (C)

YSU Advanced Manufacturing Foundations

APPRENTICESHIP (C)

YSU Additive Manufacturing - Specialty (facilitated by New Collar Network)

KEY
(C) Certificate (Non-degree) **(B)** Badge
(MC) Micro-credential
(IRC) Industry Recognized **(T)** TechCred

EXPLORE OUR CAREER PATHWAYS AND FIND THE RIGHT FIT FOR YOU
BADGES, MICRO-CREDENTIALS, INDUSTRY RECOGNIZED CREDENTIALS, NON-DEGREE CERTIFICATES

BUSINESS

Lean Six Sigma (Yellow Belt) (C)

Lean Six Sigma (Green Belt) (C)

PMI Certified Associate in Project Management (CAPM®) (C)

Project Management Professional (PMP) (C)

PMI Agile Certified Practitioner (PMI-ACP) (C) (T)

Certified Business Analysis Professional (CBAP) (C) (T)

PMI Professional in Business Analysis (PMI-PBA) (C)

INFORMATION TECHNOLOGY

5G Readiness Certificate (C) (T)

Badge #1: Wireless Broadband Infrastructure

Badge #2: 5G Ecosystem Overview

Badge #3: In-Building Wireless Solutions

Badge #4: 5G and Broadband Deployment

AWS Certified Cloud Practitioner (IRC) (T)

AWS Certified Developer - Associate (IRC) (T)

AWS Certified Solutions Architect - Associate (IRC) (T)

AWS Certified Solutions Architect - Professional (IRC) (T)

AWS Certified DevOps Engineer - Professional (IRC) (T)

AWS Certified Data Analytics - Specialty (IRC) (T)

AWS Certified Machine Learning - Specialty (IRC) (T)

AWS Certified Security - Specialty (IRC) (T)

Certified Cloud Security Professional (CCSP) (C)

Certified Ethical Hacker (CEH) (C) (T)

Certified Java SE 11 Developer (IRC) (T)

Cisco Get Connected (B)

Cisco Introduction to Internet of Things (IoT) (B)

Cisco Intro to Packet Tracer (B)

Cisco Introduction to CyberSecurity (MC)

Cisco Cybersecurity Essentials (MC)

Cisco Certificate of Cloud Knowledge (CCSK) (IRC) (T)

Cisco PCAP - Programming Essentials in Python (IRC) (T)

Cisco JavaScript Essentials 1 (JSE) (IRC)

Cisco Networking Essentials(MC)

Cisco NDG Linux Unhatched (MC)

Cisco NDG Linux Essentials (MC)

Cisco NDG Linux Part 1 (MC)

Cisco NDG Linux Part 2 (MC)

Cisco Linux Professional Institute LPIC-1 (IRC) (T)

Cisco Certified Network Associate (CCNA) (C) (T)

CompTIA IT Fundamentals (IRC) (T)

CompTIA A+ (IRC) (T)

CompTIA Network+ (IRC) (T)

CompTIA Cloud Essentials+ (IRC) (T)

CompTIA Cloud+ (IRC) (T)

CompTIA Security+ (SY0-601) (IRC) (T)

CompTIA Linux+ (IRC) (T)

CompTIA Project+ (IRC) (T)

CompTIA CYSA+ (IRC) (T)

CompTIA Server+ (IRC) (T)

Google Cloud Certified Associate Cloud Engineer (IRC) (T)

Google Cloud Certified Professional Cloud Architect (IRC) (T)

Google Cloud Certified Professional Data Engineer (IRC) (T)

Google Cloud Professional DevOps Engineer (IRC) (T)

IBM Big Data Fundamentals (B)

IBM Data Science Foundations (B)

IBM Build Your Own Chatbot (B)

IBM Blockchain Essentials (B)

Microsoft 365 Fundamentals (MS-900) (IRC) (T)

Microsoft Azure Fundamentals (IRC) (T)

Microsoft Power Platform Fundamentals (IRC) (T)

Microsoft Power BI for Analysts (IRC) (T)

Salesforce Certified Administrator (IRC) (T)

Salesforce Certified Platform Developer (IRC) (T)

Salesforce Service Cloud Consultant (IRC) (T)

Splunk Fundamentals (Splunk Core Certified User) (IRC)

Tableau Desktop Specialist (IRC)

UX Concepts (MC)

PROFESSIONAL SKILLS

MyInnerGenius Career Insight Assessment (B)

Microsoft Office Essential Skills IBM (B)

IBM New Collar Professional Skills (B)

IBM Agile Explorer (B)

IBM Working in a Digital World: Professional Skills (B)

IBM Job Application Essentials (B)

IBM Enterprise Design Thinking Practitioner (B)

IBM Enterprise Design Thinking Co-Creator (B)

IBM Enterprise Design Thinking Team Essentials for AI (B)

JAMES P. TRESSEL INSTITUTE FOR LEADERSHIP & TEAMWORK

Personal Leadership (C)

Badge #1: My Personal Journey

Badge #2: My Career Pathway Badge

#3: My Commitment to All Badge

#4: My Financial Game Plan Badge

#5: My Healthy Habits

PRE-APPRENTICESHIP (C)

IBM IT - Cybersecurity

IBM IT - Data Science

IBM IT - IT Support Specialist

IBM IT - Software Engineering

IBM IT - z/OS Mainframe

YSU IT - IT Support

YSU IT - Software Engineer

APPRENTICESHIP (C)

YSU Data Analyst

YSU Computer Support Specialist

YSU IT Project Manager

Strategic Plan for 2023-2024 Academic Year

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& TEAMWORK**

TILT is in a new phase of design and deployment which will require new skill sets like project/program management, instructional design and development, sustainable mentorship model and new tools and technology to build scale and efficiencies. With recent funding, we have an opportunity to accelerate the design and scale of the program to a broader community, targeting Fall 2024 that will include high school programs outside of the region and both teamwork/leadership series for business and industry.

We have identified five (5) work streams below that will be running concurrently to achieve the Fall 2024 timeframe and within the current funding model.

Aug 23 - May 24	Sep 23-May 24	Aug 23 - Dec 23	Aug 23 - May 24	Aug 23 - May 24
YSU Students	High School Students	Mentorship/ Coaching Program	Teamwork Series	Leadership Series

EXECUTIVE SPONSOR
To ensure integrity, continuity, and success of the strategic plan, VP Oddo will actively serve as the executive sponsor providing oversight and direction to the overall efforts.

PROJECT MANAGEMENT
To support rapid design and deployment of the 5 work streams, we will deploy a Project Manager (PM) to oversee the connected work of the 5 workstreams. The PM will serve as an externally identified contracted resources to assist with managing the project needs of the workstreams through the end of the 23-24 academic year. Each workstream will also be designed a project lead.

Additionally, the PM will be responsible serve as project lead for the design of the mentorship program model – design, curriculum, badges and implementation plan. The PM will work with divisional instructional design and marketing staff to ensure quality and content of programming is consistent with brand and key concepts.

The PM will also work in conjunction with TILT Staff and additional resources (Dr. Licata), as project lead, in building the content and delivery frameworks for both the teamwork and leadership series.

BRAND, CONTENT AND MARKETING MANAGEMENT
We will provide a divisional resource (estimated 25% +/- of time) to manage overall brand and marketing needs including, but not limited to, website design and management, social media marketing, student marketing, GSL videos, podcast, newsletters and overall content management.

YOUNGSTOWN STATE UNIVERSITY

EVENTS | GIVE

ABOUT YSU   ACADEMICS   ADMISSIONS   STUDENT LIFE   TUITION & FINANCIAL AID

/ COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS / YSU LAUNCHES NEW GRADUATE PROGRAM: MASTER OF SCIENCE IN DATA SCIENCE & STATISTICS

YSU launches new graduate program: Master of Science in Data Science & Statistics

NOVEMBER 6, 2023

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Youngstown State University's College of Science, Technology, Engineering and Mathematics and the College of Graduate Studies have launched a new graduate program to begin in Fall 2024. The Master of Science in Data Science & Statistics is an interdisciplinary program built around a curriculum that will enhance learners' knowledge and application of data science and statistics, including the use of "big data" to help solve problems and provide insight.

The program will take advantage of the collaborative relationship that already exists between YSU faculty members; the YSU Data Mine; and those involved with the Purdue University Data Mine, a living, learning and research-based community created to introduce students to data science concepts and equip them to create solutions to real-world problems.

Dean of the College of Graduate Studies and Assistant Provost, Salvatore Sanders stated, "The program is unique in the utilization of real-world data analysis utilizing the YSU Data Mine and STEM internship projects," recognizing the demand for a program geared toward data

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WORKSTREAMS

YSU Students
Project Leads - Della/Moona
- Aug – Sep 23: Hire additional peer coaches
- Sep 23: Train additional peer coaches
- Sep 23: Deploy program year 2
- Sep 23 – Jan 24: Expand programs into 1500, Strong Start, other TBD.

High School Students
Project Lead: Nico Morgione
- Sep 23: Integrate refreshed HS badges into existing pre-apprenticeship programs
- Sep 23 – May 24: Work with divisional stakeholders to launch pilot with ESCO and other schools within surrounding counties
- Sep 23 – May 24: Work with TILT staff, HS resources and peer coaches to support student success

Mentorship/Coaching Program
Project Lead: Maura Wasson
- Aug 23 - Dec 24: Develop formalized peer coaching training and badge
- Aug 23 - Dec 24: Develop formalized industry mentor training and badge
- Aug 23 - Dec 24: Develop go-to-market strategy and operating model

Teamwork Series
Project Lead: Maura Wasson
- Aug 23 - Dec 24: Conduct stakeholder interviews and report findings (BJL)
- Jan 24 - May 24: Conduct content framework design (MW)
- Summer 2024: Develop delivery and operating model

Leadership Series
Project Lead: Maura Wasson
- Aug 23 - Dec 24: Conduct stakeholder interviews and report findings (BJL)
- Jan 24 - May 24: Develop content framework design (MW)
- Summer 2024: Develop delivery and operating model