



NEW Digital Alliance

*Your Digital Future in Northeast
Wisconsin*

February 24, 2021

CS Advisory Board

Agenda



2:30 - Welcome and Alliance updates



2:40 – College Panel: Dual credit and articulation agreements



3:20 – Q&A



3:40 – CSforAll SCRIPT

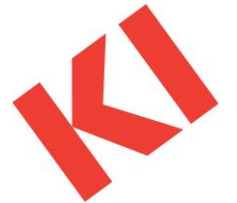


3:55 - Wrap up

Thank You Investors!



Thank You Investors!



NEW Digital Alliance Strategic Pillars

Where are we going from here?

With the rebranding to the NEW Digital Alliance in 2020, we developed 6 strategic pillars aligned with our new mission. Moving forward, our focus is to increase collaboration in the region while also continuing efforts in other the areas.

PROMOTE

Showcase and promote regional high-tech organizations at a national stage
Provide a platform for small tech companies to be exposed to regional and national businesses

COLLABORATE

Work with and connect regional Higher Education Institutes and Businesses to increase collaboration
Offer a platform for businesses to come together and partner in developing solutions
Work with Local organizations to improve their access to the region

ADVOCATE

Evangelize and promote IT/Digital disciplines and careers
Advocate with Local, State and Federal legislature to promote policies and regulations favoring local IT/Digital needs
Advocate with Financial Institutes to develop funding sources for startups

ADVISE

Work in Advisory capacity to directly work with area Universities, Tech Colleges and K-12 institutions to develop programs and curriculum that is in line with the business demands and needs of today and tomorrow

RESEARCH

Act as a reporting agency by collecting and reporting on regional datasets relevant to Digital space

SERVICE

Develop programs to offer services to members such as recruitment, business expos, and hard/soft skill development

Increasing IT and Digital Talent in Northeast Wisconsin

K12

COLLEGE

PROFESSIONAL

NEW DA Initiatives

Digital Learning
Opportunities Survey
NEW CS Advisory Board
NEW Connect IT
IT Career Videos

IT Program Survey and Data
Collection
TechTalks
Job Board
Higher Ed Committee

Quarterly Meetings
Tech Upload Newsletter
Resume Sharing
Job Board
TechConnect – Pro

Regional Collaborations

DWD Youth Apprenticeship
DPI CS Career Pathway
Development
Microsoft TEALS
Boys and Girls Club - Megabytes
WIT4Girls, DigitGirlz, Girls Who
Code
IT Summer Camps at Local
Colleges

NEW ERA
College IT Clubs
WITonCampus

Amplify Oshkosh
WIT@Work
Insights on Technology
Promotion of Training and
Networking Events

Resources

newdigitalalliance.org/students/

WHAT DOES AN IT PROFESSIONAL DO?

your digital future in northeast wisconsin

MANAGE AND ORGANIZE

IT professionals are responsible for managing and organizing the information contained in the computer networks of a given organization, including external hardware components.



SOLVE PROBLEMS

IT professionals use technology to solve problems of all sizes and types. You will have opportunities to work on some of the most challenging and exciting problems facing the world today.



WORK IN TEAMS

IT professionals use collaboration and brainstorming to think of new, innovative ideas. Being able to work well with others is an essential part of the IT field.



THINK CREATIVELY

IT professionals have the opportunity use innovation and creativity to frame how we see our future. They need to think outside of the box to provide unique IT solutions to clients.



<https://newdigitalalliance.org/students/>

COVID-19 RESOURCES CHECK OUT NEW CONNECT IT LIFE IN NEW NORTH NEW DIGITAL ALLIANCE JOB MAP

new DIGITAL alliance

ABOUT US EXPLORE IT INVESTORS EVENTS MORE INFORMATION

Events

NEW CS Advisory Board meeting →

When 24 Feb 2021 14:30 - 16:00 (CST) Topic: Dual Credit

<https://newdigitalalliance.org/events/>

NEW CS Advisory Board

Meeting Date	Links	Notes
December 8, 2020 3:00 – 4:30pm Microsoft Teams	<ul style="list-style-type: none">• Presentation• Recording• More Information/Notes• HSSD CS Advisory Committee Presentation• Script Rubric	Meeting 7 Topics: Topics for 2021 meetings and a discussion on challenges and successes during the year of 2019

<https://newdigitalalliance.org/new-cs-advisory-board/>

College Panel

Dual Credit and Articulation
Agreements



Meet the Panel



Meagan Strehlow, UWGB
Executive Director of K-12
& Community Relations



Courtney Gaynor, MPTC
K12 Partnership
Coordinator



Sue Zittlow, NWTC
Associate Dean College of
Business



John Dobyys, UWO
Director of Outreach
and Operations for
the CAPP Office

UW-Green Bay Dual Enrollment & K12 Relations

Meagan Strehlow, Executive Director, K-12 & Community Relations



UNIVERSITY of WISCONSIN
GREEN BAY

Types of Dual Credit

- College Credit in High School (CCIHS)- UW-Green Bay courses offered in high schools taught by high school teachers approved as adjunct instructors
- Early College Credit Program (ECCP)- High school students can enroll in UW-Green Bay courses at all four UW-Green Bay campuses or online
- Dual Enrollment Access Academy (Academy)- Online courses specifically set up for high school students
- Rising Phoenix Early College High School- Collaboration between school districts and UW-Green Bay that provides students the opportunity to earn an Associate of Arts and Sciences degree with their high school diploma



Benefits of Dual Credit

- Get a head start on college
- Save money on tuition
- Accelerate the completion of a college degree
- Experience college rigor while in high school
- Develop skills for college success
- Gain a competitive advantage over other college applicants
- Allow for greater flexibility in scheduling



Information Technology Opportunities

- College Credit in High School:
 - Computer Science
 - Introduction to Computing & Internet Technologies
 - Introduction to IT Operations
 - Introduction to Software Design
- Other Related Disciplines:
 - Engineering
 - Engineering Technology
- General coursework to develop other related skills:
 - Communication/Interpersonal Skills
 - Languages
 - Business
 - Writing
- Rising Phoenix Early College High School
 - Students graduate with an associate degree
 - Area of study in Computing and Information Sciences
 - Students are halfway done with bachelor degree with a major in Computer Science
- Articulation Agreements
 - NWTC Software Developer Associate Degree to UWGB Computer Science-Information Assurance and Security OR Software Engineer
 - FVTC agreements are in development



Collaboration with School Districts

- Partnership to grow and develop academic pathways
- Growing dual enrollment opportunities
- Individual student advising for all dual enrollment programs
- Academic and Career Planning (ACP) opportunities
- Connection to university faculty and departments
 - Field Trips
 - Labs
 - Class observations





DIGITAL TECHNOLOGY PATHWAYS AT MPTC

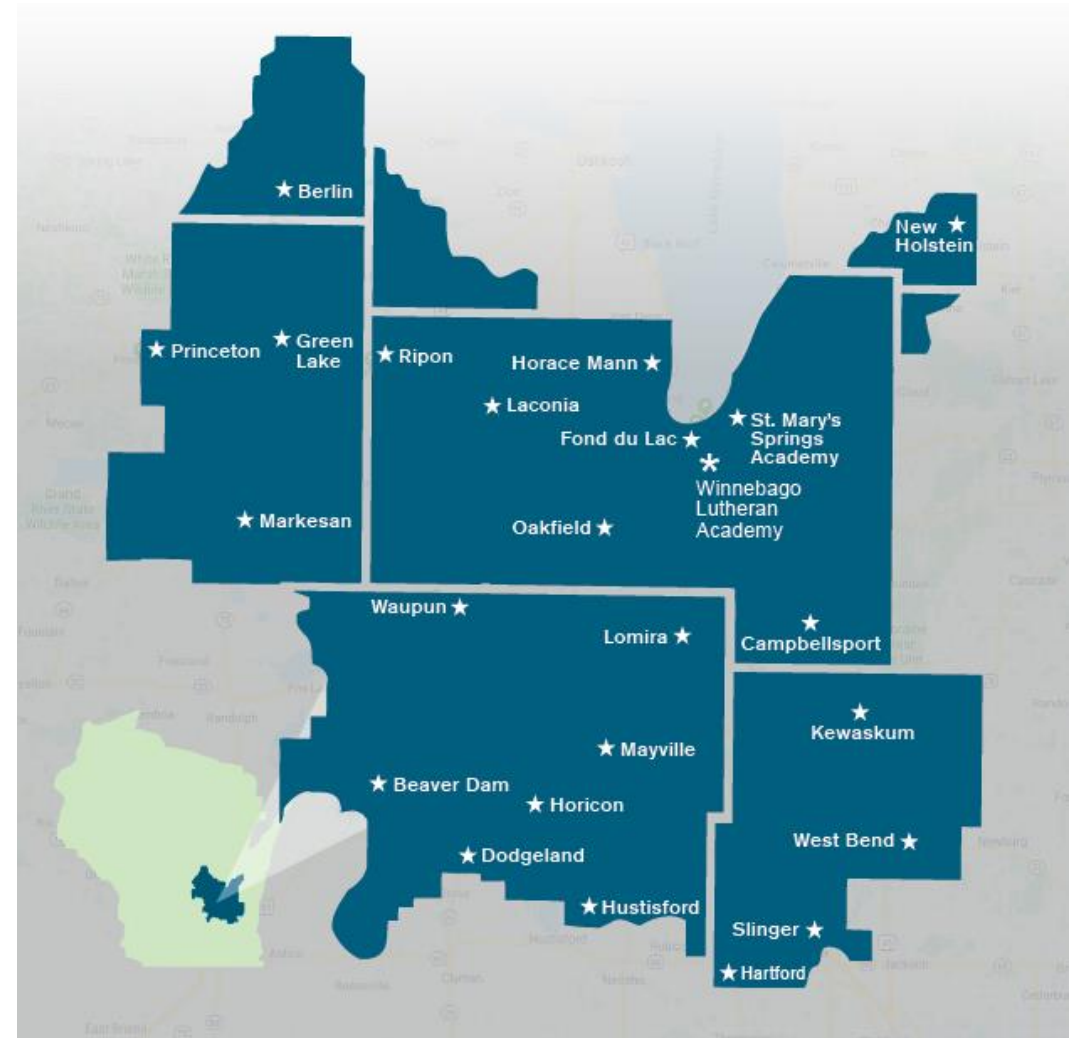
COURTNEY GAYNOR, PHD



**MORaine PARK
TECHNICAL COLLEGE**

MPTC'S DISTRICT

(WITH HIGH SCHOOLS HIGHLIGHTED)



DIGITAL TECHNOLOGY PROGRAMS

	Business Analyst	Cybersecurity	Network & Systems Infrastructure	Software Developer Programming
Certificate & Technical Diplomas	<u>Project Coordinator Certificate</u>	<u>Information Technology - Information Security Certificate</u>	<u>Information Technology - Help Desk Support Specialist</u>	<u>Information Technology - Web Designer/Developer</u>
				<u>Web Site Coordinator Certificate</u>
Associates Degrees	<u>Business Analyst</u>	<u>Information Technology - Cybersecurity Specialist</u>	<u>Information Technology - Network Specialist</u>	<u>Information Technology - Software Developer</u>
			<u>Information Technology - Technical Support Specialist</u>	<u>Information Technology - Mobile Applications Developer</u>
				<u>Information Technology - Web Development and Design Specialist</u>



MORaine PARK
TECHNICAL COLLEGE

DUAL ENROLLMENT

What is Dual Enrollment?

Dual enrollment provides high school students the opportunity to earn college credit and high school credit at the same time. We offer three types of Dual Enrollment opportunities: Dual Credit, Start College Now, and Contract Courses.

TYPES OF DUAL ENROLLMENT

- ❑ Dual Credit - Credentialed high school teacher teaches MPTC course to students at high school
- ❑ Start College Now - School district approves and pays for students to take a course at MPTC (in person or online)
- ❑ Contracts - Our faculty at the high school during school hours

2,594



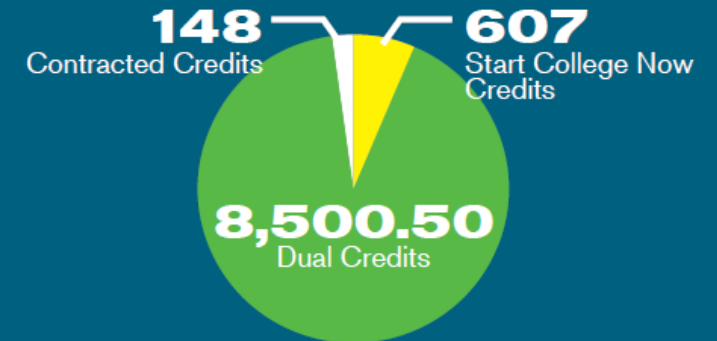
High School
Students Served



9,255.50

Dual Enrollment Credits
Earned by Students

DUAL ENROLLMENT BREAKOUT



COURSES OFFERED FOR DUAL CREDIT

Beginning Photoshop	Document Formatting	Microsoft PowerPoint
Advanced Microsoft PowerPoint	Help Desk Concepts	Microsoft Windows
Advanced Microsoft Word	Imaging Editing	Microsoft Word
Basic Drawing for Animation	InDesign	Motion/Visual Effects
Beginning Photoshop	Introduction to Graphic Communication	Network +
Computer Literacy - Microsoft Office	Introduction to Programming	Principles of Information Security
Computer Hardware Support	IT Fundamentals 1	Video/Sound Editing
Computer Software Support	IT Fundamentals 2	Web Coding Technologies
Computer System Maintenance	Microsoft Access	Web Site Design
Design Fundamentals	Microsoft Excel	

AP/IB COURSES

Process for bring in test or external credits:

<https://www.morainepark.edu/academics/transfer-information/credit-for-prior-learning/>

ARTICULATIONS

- Many students go right into career field
- Online programs favored afterward, not always Bachelor's in IT programs pursued after
- Capella, Herzing, MSOE, Cardinal Stritch, WAICU Schools

<https://www.morainepark.edu/academics/transfer-information/transfer-to-a-four-year-college/>



College of Business



Brooke Holbrook, K-12 Relations Manager
Sue Zittlow, Associate Dean, College of Business



College of Business by the Numbers



Business



Digital Arts



Hospitality



Information Technology

- 4 Career Clusters
- 5,083 Students Served Annually
- 2 + 2 Transfer Agreements with four-year institutions
- Flexible Learning Modes
- **8-week Advantage**
- **Numerous Clubs – like Bits & Bytes**
- **International Experiences**
- Service-Learning Opportunities
- All Programs have Internships – we call them Career Experiences
- Our Programs are True Partners with NWTCTC IT Department and area Businesses
- Recently selected for HP Educause Campus of the Future Grant includes AR/VR Technologies

IT at NWTC College of Business



Associate Degree Programs:

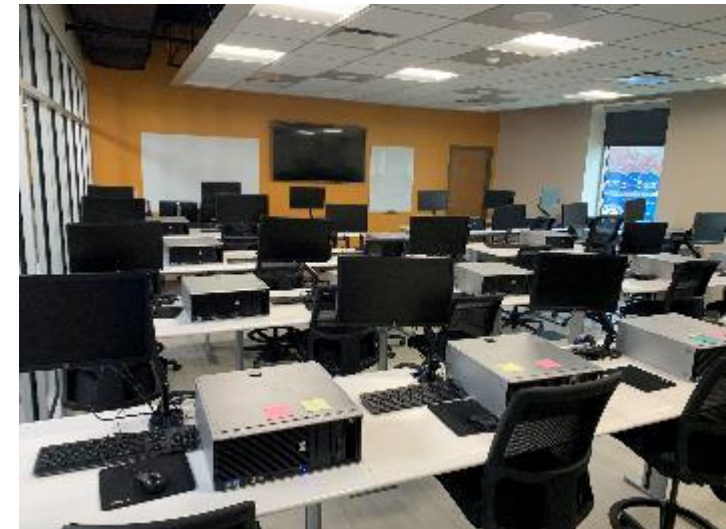
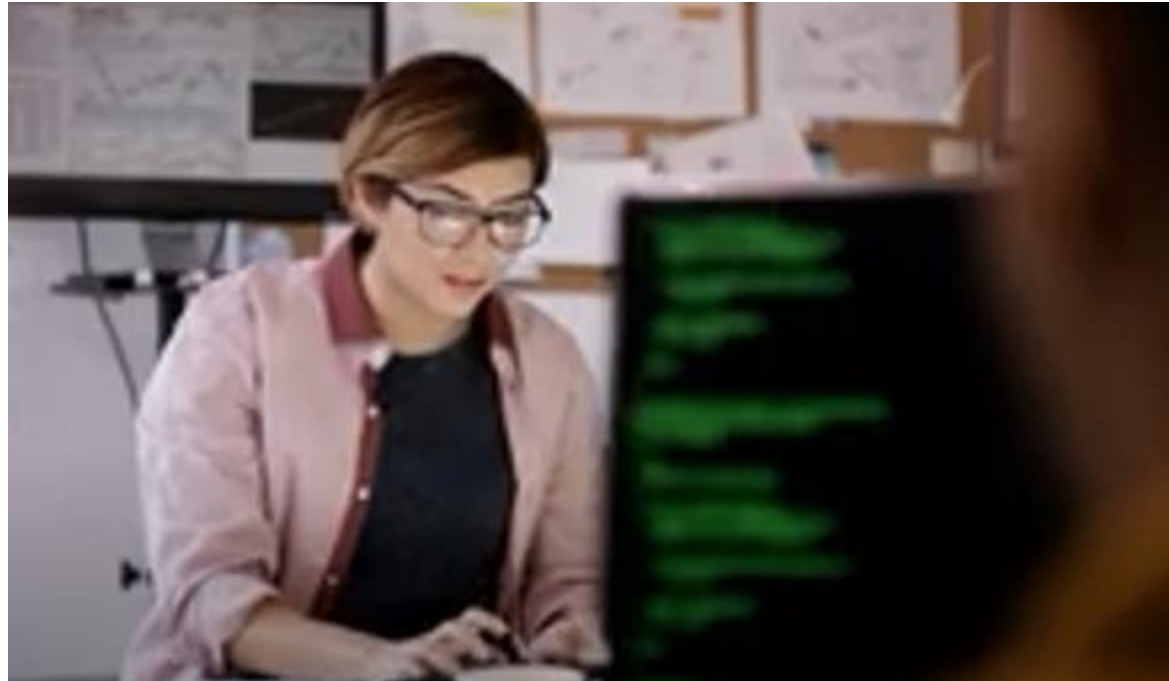
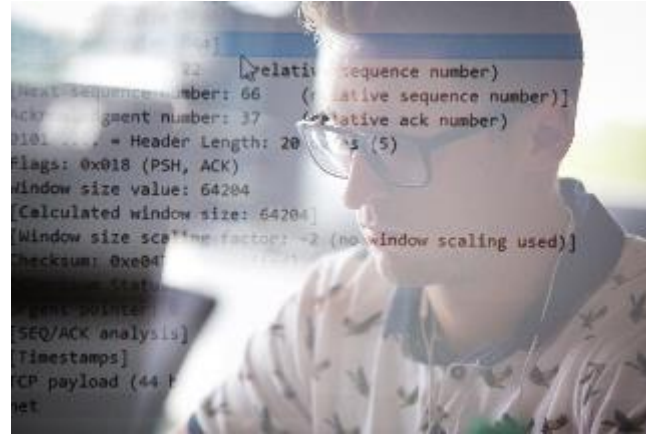
- Computer Support Specialist
- IT Systems Administrator
- Cybersecurity
- Web Development
- Software Developer
- Business Analyst
- Data Analytics



Interactive
Innovative
Engaging
Experiential



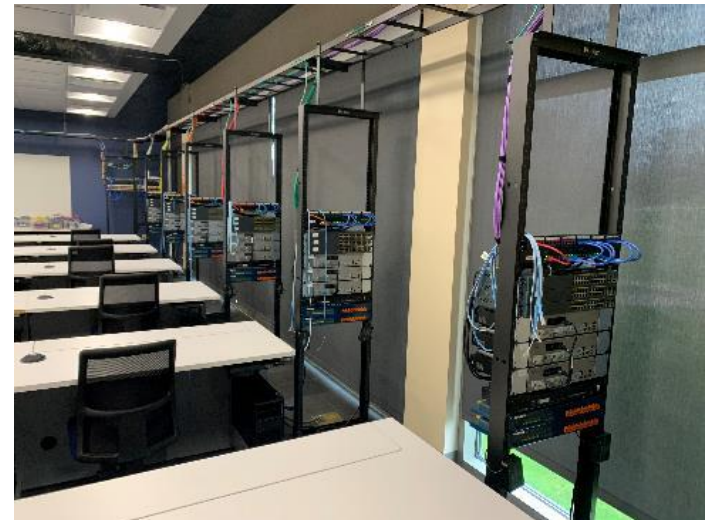
College of Business: IT



Interactive
Innovative
Engaging
Experiential











College of Business: IT





Information Technology (IT) Career Pathways

College of Business at Northeast Wisconsin Technical College

	Computer Support	Web Development	Network and Systems Infrastructure	Cybersecurity
Transcribed Credit High School Course Options	 <ul style="list-style-type: none"> • Hardware-Intro - 3 credits • Software-Intro – 3 credits • Network Essentials – 3 credits • Database Development – 3 credits • Website Coding – 3 credits • Math & Logic – 3 credits • Business Principles – 3 credits • 2022: Intro to IT – 1 credit 	 <ul style="list-style-type: none"> • Photoshop Fundamentals – 3 credits • Program:Part 1 (C#)- 3 credits • Database Development – 3 credits • Website Coding – 3 credits • Math & Logic – 3 credits • 2022: Intro to IT – 1 credit 	   <ul style="list-style-type: none"> • Hardware-Intro - 3 credits • Network Essentials – 3 credits • Network: Cisco 1 – 3 Credits • Math & Logic – 3 credits • 2022: Intro to IT – 1 credit 	   <ul style="list-style-type: none"> • IT:Support: Hardware-Intro - 3 credits • IT: Network: Network Essentials – 3 credits • IT:Network:Cisco 1 – 3 Credits • Math & Logic – 3 credits • 2022: Intro to IT – 1 credit
Certificates	<ul style="list-style-type: none"> • Computer Support Certificate 	<ul style="list-style-type: none"> • Web Programmer Certificate • Web Design Certificate 	<ul style="list-style-type: none"> • Networking Pathway Certificate 	
Technical Diploma	<ul style="list-style-type: none"> • Computer Support Technician 	<ul style="list-style-type: none"> • IT-Web Programmer • Web Design Technician 	<ul style="list-style-type: none"> • Cisco System Administrator 	
Associate Degree	<ul style="list-style-type: none"> • Computer Support Specialist 	<ul style="list-style-type: none"> • Web Development 	<ul style="list-style-type: none"> • IT Systems Administrator 	<ul style="list-style-type: none"> • Cybersecurity
Bachelor Degree – Transfer Agreements	<ul style="list-style-type: none"> • UWGB & UWO – Leadership Programs 	<ul style="list-style-type: none"> • UWGB & UWO – Leadership Programs 	<ul style="list-style-type: none"> • UWGB & UWO – Leadership Programs 	<ul style="list-style-type: none"> • UWGB & UWO – Leadership Programs

Information Technology (IT) Career Pathways

College of Business at Northeast Wisconsin Technical College

	Business Analyst (IT and Business Pathways)	Software Developer / Programmer	Data Analytics
High School Options	 <ul style="list-style-type: none"> • Micro:Word-Intro – 1 credit • Micro:Excel-Intro – 1 credit • Micro:Excel-Part 2 – 1 credit • IT:Web: Database Development – 3 credits • Math & Logic – 3 credits • 2022: Intro to IT – 1 credit 	<ul style="list-style-type: none"> • IT: Program: Logic- Intro – 1 credit • IT:Program:Part 1 (C#)- 3 credits • IT:Web: Database Development – 3 credits • Website Coding – 3 credits • Math & Logic – 3 credits • *IT:Program Logic Intro – 1 credit = AP CS Principles earning 3 or higher • IT:Program Part 3-Java – 3 credits = AP CS A earning 3 or higher • 2022: Intro to IT – 1 credit 	 <ul style="list-style-type: none"> • Micro:Excel-Intro – 1 credit • Micro:Excel-Part 2 – 1 credit • IT: Program: Logic- Intro – 1 credit • IT:Web: Database Development – 3 credits • IT:Web: Database Development – 3 credits • *IT:Program Logic Intro – 1 credit = AP CS Principles earning 3 or higher • 2022: Intro to IT – 1 credit
Certificates	<ul style="list-style-type: none"> • Business Requirements Specialist 	<ul style="list-style-type: none"> • Software Developer 	<ul style="list-style-type: none"> • Data Analytics & Visualization (New in Fall 2021)
Technical Diploma			
Associate Degree	<ul style="list-style-type: none"> • Business Analyst 		<ul style="list-style-type: none"> • Data Analytics
Bachelor Degree – Transfer Agreements	<ul style="list-style-type: none"> • UWGB – Business Administration Business Analysis Emphasis • Lakeland – BA Business Admin with Management Emphasis 	<ul style="list-style-type: none"> • UWGB – Computer Science • UWO – BS Software Technology 	<ul style="list-style-type: none"> • Looking at Transfer agreements with UWGB, UWO, Lakeland

UW Oshkosh CAPP: CS offerings (and other info)

John Dobyns

**Director of Outreach and
Operations**

dobynsj@uwosh.edu

150
1871-2021
100
Y E A R S



UNIVERSITY OF WISCONSIN
OSHKOSH

Department of

CAPP

UW Oshkosh CAPP



- 48th year of partnering with WI high schools
- Nationally accredited
- 85+ courses built for high schools
- Site budget/professional development funding
- Scholarships for CAPP students upon matriculation
- Financial assistance for adjunct HLC compliance
- Dedicated CAPP student advisor

Computer Science Major

College of Letters and Science - Bachelor of Science Degree (BS) only

- UW Oshkosh CAPP Computer Science 221 – Object-Oriented Design and Programming I (3 credits)
- UW Oshkosh CAPP Math 171 - Calculus (5 credits)
- *Per student placement consider the following to work toward Calculus requirement*
 - Math 104 – College Algebra (3 credits)
 - CAPP Math 108 – Pre calculus (5 credits)

1+3 Opportunity for Computer Science

* requires 30 credits during HS

- **In addition to Computer Science 221 and Math 171 consider the following courses:**
 - CAPP Writing 101 (3 credits)
 - CAPP Communication 111 (3 credits)
 - (XC) Culture Courses – up to 9 credits from at least two areas
 - CAPP English literature (3 credits)
 - CAPP Spanish, French, or German (3-5 credits)
 - CAPP Art, Music, etc (3 credits)
 - (XS) Society Courses – up to 9 credits from at least two areas
 - CAPP History (3 credits)
 - Any other (XS) CAPP courses (economics, geography, political science, psychology, sociology, women and gender studies, etc.) (3 credits)
 - (XL) Lab Science Courses – choose one or two
Biology, Chemistry, Geology, Physics, etc

Interactive Web Management Major *College of Business (COB) or College of Letters and Science (COLS)*

- UW Oshkosh CAPP Business 198 – Introduction to Business (3 credits) (BS/BA only)
- UW Oshkosh CAPP Journalism 221 – Writing for the Media (3 credits)
- *Per student placement consider the following:*
 - Math 104 – College Algebra (3 credits)
 - UW Oshkosh CAPP Math 108 – Pre calculus (5 credits)
 - UW Oshkosh CAPP Math 171 – Calculus (5 credits)

Information Systems Major

College of Business – Bachelor of Business Administration Degree (BBA)

- CAPP Computer Science 221 – Object-Oriented Design and Programming I (3 credits)
- CAPP Math 171 - Calculus (5 credits)
- *Per student placement consider the following:*
 - Math 104 – College Algebra (3 credits)
 - UW Oshkosh CAPP Math 108 – Pre calculus (5 credits)

CAPP Course Transfer Information

**course equivalents will need to be verified with major/degree requirements*

	Business 198	Computer Science 221	Journalism 222	Math 104	Math 171	% Match
UW Madison	General Business Elective	Liberal Arts and Science Credit	Liberal Arts and Science Credit	Math 112	Math 221	100% Match
Marquette	Business Admin 1001	Computer Science 1010	Advertising / Public Relations 2200	Math 1100	Math 1450	100% Match
University of Minnesota – Twin Cities		Computer Science / Engineering 1103	Journalism Elective	Math 1051	Math 1271	86% Match



UNIVERSITY OF WISCONSIN
OSHKOSH

Department of

CAPP

Articulations with FVTC

- BS in Software Technology- collaboration between Computer Science Department and FVTC
 - <https://uwosh.edu/cs/academics/#majors>
- Networking Emphasis - collaboration between Information Systems Department and FVTC
 - <https://uwosh.edu/cob/wp-content/uploads/sites/102/2019/08/Information-Systems-Planning-Sheet-2020-21.pdf>
 - <https://uwosh.edu/cob/departments/information-systems/academics/>

Adjunct credentialing requirements

*vary by department

- Master's degree in subject area (or closely aligned subject)
- Master's out of area with 18 graduate credits in area
- See: <https://uwosh.edu/capp/adjuncts-teachers/become-an-instructor/departments-requirements/> for all details by department



UNIVERSITY OF WISCONSIN
OSHKOSH

Department of

CAPP

Master of Science in Education

Higher Learning Commission compliant degree

- 30 credit degree
 - 12 EDU credits
 - 18 in subject area credits (HLC compliant)
- ALL ONLINE
- Financial support for adjuncts at end of program (last 6 credits)

Questions?





SCRIPT

SCRIPT Training

Amy Bires, TEALS Regional Manager

Tina Lemmens, CESA7 Digital Learning & Math Specialist

CsforALL

CS Advisory Board Meetings

- May 5 (SCRIPT deep dive)
- Oct 14 (combined with Summit)
- Dec 8

TechTalks

- Mar 24, Wed 5:30 – 6:30
- Mar 30, Tue 4:30 – 5:30
- Apr 15, Thu 4:30 – 5:30
- May 4, Tue 5:30 – 6:30

Mar

- 1: Digital Learning Opportunities Survey

Apr

- 14: Quarterly Meeting

Jul

- 20: Quarterly Meeting

Oct

- 14: TechTalent Summit

Nov

- TBD: NEW Connect IT

Wrap Up

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