

LAUNCH

COURSE GUIDE 2021-2022

Register Now! <https://tinyurl.com/LAUNCH21-22>

WHY LAUNCH?

- Exposure to career and college opportunities that will impact your life
- Connect with professionals and with other highly motivated students
- REAL challenges from business and industry partners in a project-based environment
- Professional atmosphere, great facilities, and excellent community involvement
- Support from experts, mentors, teachers, and people working in relevant fields
- Possible Internship Offerings

PROGRAM BASICS

- All LAUNCH strands are 1 block for the entire school year, with the exception of Business & Society which is a single-semester offering
- Students will travel between Brookfield Central, Brookfield East, Wauwatosa East, Wauwatosa West, and our off site offices
- Families will need to provide transportation for their student(s)

NEW STRANDS FOR 2021-2022!

DATA SCIENCE & INTELLIGENCE FOR CAREERS

Hosted at Concurrency

3 credit experience

- Python for Data Science (1 credit)*
- Math for Data Science (1 credit)*
- Mentorship (1 credit)

Students who like: math and applications to authentic data driven experiences

Students who desire: an opportunity to learn how to code in Python and transfer these skills to essential elements of statistics, calculus, and linear algebra

Recommendations: Students have taken AP Statistics. In addition, students can take or have an interest in Calculus.

FOUNDATIONS OF BODY SYSTEMS & DISEASE

Hosted at Wauwatosa West

3 credit experience

- Health and Disease (1 credit)
- Anatomy and Physiology (1 credit)
- Mentorship (1 credit)

Students who like: studying current illnesses and its impact on the body systems, research and science

Students who desire: a career in the medical profession, creative problem-solving, to develop new ways to live a healthy lifestyle

** course is pending school board approval*

LAW & PUBLIC POLICY

Hosted at Brookfield East

3 credit experience

- AP Language and Composition (1 credit)
- Current Issues (0.5 credit)
- Crime, Society and Law (0.5 credit)
- Mentorship (1 credit)

Students who like: research, presenting, understanding the law and current issues

Students who desire: a career in law, public service or social work

SKILLED BUILDING TRADES

Hosted at Wauwatosa East

3 credit experience

- Light Building Construction (1 credit)
- Mathematics for the Skilled Building Trades (1 credit)
- Mentorship (1 credit)

Students who like: building or improving things, using tools/machinery

Students who desire: a hands-on experience, a career in construction, carpentry, plumbing, HVAC, etc. and using the design process in building projects



ADVANCED MANUFACTURING AND DESIGN

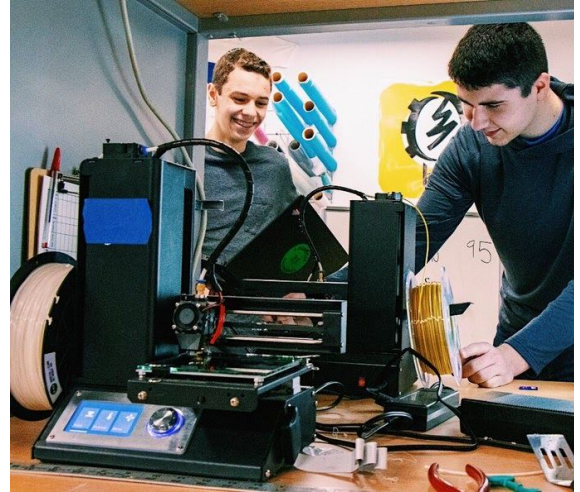
Hosted at Wauwatosa West

3 credit experience

- Future Makers Capstone (1 credit)
- AP Computer Science Principles (1 credit)
- Mentorship (1 credit)

Students who like: making or creating things, using digital technology, robotics & automation, teamwork, learning how things work

Student who desire: a career in advanced manufacturing, inventing or improving products using the design process, hands-on experience



BIOMEDICAL SOLUTIONS

Hosted at Brookfield East

3credit experience

- Medical Interventions (1 credit)
- Culture of Healthcare TC (1 credit)
- Mentorship (1 credit)

Students who desire: to perform medical research, to learn how research is used in the medical profession, to cure and to make things that help people.



BUSINESS ANALYTICS

Hosted at Concurrency

3 credit experience

- AP Statistics (1 credit)
- Business Strategy (1 credit)
- Mentorship (1 credit)

Students who like: presenting, DECA, teamwork, data, and mathematics

Students who desire: marketing, sales, entrepreneurship, data analytics, making business connections, and developing a product or service



ENGINEERING FOUNDATIONS

Hosted at Brookfield Central

3 credit experience

- PLTW Engineering Design & Development (1 credit)
- English 11/Writing for Research (1 credit)
- Mentorship (1 credit)

Students who like: Engineering(PLTW), Science, BEAST Robotics, Mathematics, problem-solving, and making/breaking things.

Students who desire: Engineering, Design, Creativity



FUTURE TEACHERS

Hosted at Brookfield East

3 credit experience

- AP Psychology (1 credit)
- Critical Perspectives on Education TC (1 credit)
- Mentorship (1 credit)

Students who like: helping others, learning, service, collaboration, and educational settings

Students who desire: a career in education, impacting lives, experience teaching others, and a professional learning community



GLOBAL BUSINESS

Hosted at Concurrency

3 credit experience

- English 11/Writing for Research (1 credit)
- Business Strategy (1 credit)
- Mentorship (1 credit)

Students who like: presenting, DECA, extracurriculars, competition, teamwork, art, music, creativity, and research

Students who desire: experience in marketing, sales, entrepreneurship, making business connections, and developing a product or service



HOSPITALITY INNOVATION

Hosted at Wauwatosa East

3 credit experience

- International Cuisine (1 credit)
- Advanced Marketing (1 credit)
- Mentorship (1 credit)

Students who like: creating high quality customer experiences, cooking, working in teams, being creative

Student who desire: service, hands-on experience, marketing, entrepreneurship, a career in culinary arts, management, and/or hospitality



IT FOUNDATIONS

Hosted at Brookfield Central

3 credit experience

- English 11/Writing for Research (1 credit)
- AP Computer Science Principles (1 credit)
- Mentorship (1 credit)

Students who like: technology, problem-solving, working as part of a team, and fixing things

Students who desire: learning about the many varied components that make up the world of IT, application of current technologies, and computer programming



MEDIA SOLUTIONS

Hosted at Brookfield Central

3 credit experience

- Digital Imaging Seminar (1 credit)
- English 11/Writing for Research (1 credit)
- Mentorship (1 credit)

Students who like: using the design process to communicate through digital technology

Students who desire: hands-on experience in audio, videography, photography, graphic design, social media, and branding & fabrication



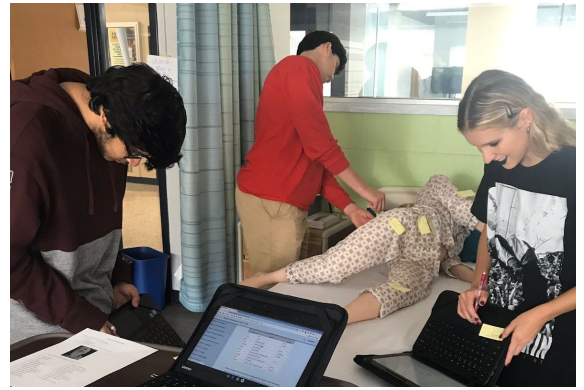
MEDICINE & HEALTHCARE

Hosted at Brookfield East

3 credit experience

- Medical Terminology TC (1 credit)
- Culture of Healthcare TC (1 credit)
- Mentorship (1 credit)

Students who desire: to understand medical professions and patient needs



BUSINESS & SOCIETY

Hosted at Concurrency

1 credit experience

- Business & Society (1 credit)

This is a dual credit opportunity taught by UWM adjunct faculty.

Students taking this course can earn 3 college credits.

Prerequisites: Senior, successful completion of any LAUNCH strand during junior year

Students who desire: to understand sources of competitive/strategic advantage derived from corporate citizenship in the public policy, social, economics, and ecological environments

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