Metro Schools

Early College Experiences/ Pathway Programs

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YouTube Presentation with Ms. Kemp & Mr. Boyer
Metro Curriculum Phase 1: Core HS Requirements

To receive a HS Diploma in the state of Ohio, all students must earn a minimum of 20 credits:

4 English Credits → English 9, 10, 11, and 12/Scientific Writing

4 Math Credits → Algebra 1, Geometry, Algebra 2, and Trigonometry/Statistics

3 Science Credits → Biology, Chemistry, and Physics/Energy & Matter/Environmental Science/HBS (Anatomy)

3 Social Studies Credits → American History, Government, World History, Economics/Entrepreneurship

1 Art Credit → Fine Art/3D Art

1 Wellness Credit → .5 PE credit and .5 Health credit

4 Elective Credits → Advisory (.25 credits each year), Foreign Language, Mechatronics, Computer Science, College Classes, etc.

Once students have earned a minimum of 16 of these CORE high school required courses (at Mastery), then they are ready to do a Gateway Presentation, and move to the next phase of the Metro curriculum: Early College Experiences/Pathway Programs.
What is a Gateway?

A gateway is a presentation where students defend their readiness for Early College Experiences/Pathway programs and college coursework (the next phase of their education).

Who should do a Gateway?

✦ Students who have completed a minimum of 16 high school credits at mastery
  ○ Confirmed by school administration
✦ Students ready for college coursework
  ○ Maturity
  ○ Motivation
  ○ Academic Ability

What’s needed for a Gateway?

✦ Student presentation (advisor will have requirements)
✦ Student Advocate
✦ An Adult Advocate (in addition to parents)
✦ Parents must be in attendance
Metro Curriculum Phase 2: Early College Experiences/ Pathways

**What?** Early College Experiences introduce students to college-level coursework in STEM fields, with the added benefit of a cohort of peers, and with additional support from the high school. They help students with the transition to college, but more importantly, provide them with opportunities to explore different career fields and gain real-world, hands-on experiences.

**Why?** These experiences are what sets Metro students apart from other high school students. Most high school students can earn college credits while in high school (AP, IB, CCP, etc.), but not many of them have the opportunity to work with professionals, in the field, doing research, and solving real-world problems. These are the things that competitive admission Colleges/ Universities will find impressive, that companies are looking for, and that employers want. Metro wants every student to graduate with a diploma AND either a capstone project or at least one certification on their resumes. All Metro students are required to participate in an ECE/ Pathway program before they are eligible to take more than 2 college courses per term.

**Where?** Metro has developed partnerships and pathway programs with The Ohio State University and Columbus State Community College.

**When?** Once students have earned Mastery in a minimum of 16 Core High School courses, and have successfully completed a gateway presentation, then they are ready.
2021–2022 Pathway Programs

❖ **BODIES** (explore Health Sciences, Veterinary Science, Medicine)

❖ **DESIGN** (explore Engineering, Construction Mgmt, Computer Science/ IT Tech)

❖ **GROWTH** (explore Agriculture, Hospitality Mgmt, Business/Entrepreneurship)

❖ **ENERGY** (explore Environmental Science, Economics, Public Policy/Law)

* OSU is a competitive admissions school, with higher entrance requirements. Students should have Mastery in a minimum of 16 Core HS courses, and not have any Cs, Ds or Fs on their transcripts, to be eligible. Students are encouraged to take an ACT or SAT test, but are not required to have a score before applying. Students should apply to both OSU and CSCC (College Credit Plus), so that they have multiple options/ opportunities. CSCC requires placement tests or ACT/SAT scores for admission.

* Students will have the opportunity to participate in one of these paths, as long as they have completed a Gateway and are admitted to take college coursework at either OSU or CSCC. Each pathway has a cap of 35 students.

* Metro students are required to participate in a pathway program in order to be eligible for full-time college coursework
For students interested in exploring the Health Sciences including Medicine, Dentistry, Optometry, Pharmacy, Physical Therapy, and Veterinary Medicine, Nursing, Respiratory Therapy, Neuroscience, Nutrition, etc.

- Students take advanced high school and college-level coursework in Anatomy/Physiology, Biology, Medical Terminology, & BioEthics
- Students get hands-on experiences with real-world application
- Research and internship opportunities include working with professionals at the OSU Wexner Medical Center, Nationwide Children’s Hospital, OSU Department of Veterinary Medicine, NanoFiber Technologies, and American Orthopedics (just to name a few)

Prerequisites for OSU coursework: Mastery in Metro Biology, Chemistry, HBS (Anatomy), and Trigonometry

Prerequisites for CSCC coursework: A or B in Metro Biology, Chemistry, and HBS (Anatomy)

* for students that do not have HBS, the CSCC Bio 1101 class is equivalent
For students interested in exploring Engineering, Computer Science, IT, Construction Management and Architecture, etc.

Students take advanced high school and college-level coursework in Mathematics, Engineering, Computer Programming & Engineering Ethics.

Students get hands-on experiences, with real-world application.

Research and internship opportunities include working with professionals at OSUs CAR (Center for Automotive Research), OSU College of Engineering, Turner Construction, Ohio Department of Transportation, Ready Robotics, Fortin Ironworks, IC3D, and Honda of America (among others).

Prerequisites for OSU coursework: Mastery in Metro Trigonometry and Mechatronics.

Prerequisites for CSCC coursework: A or B in Metro Trigonometry and Mechatronics.
GROWTH:  Click Here for More Info!!

- For students interested in exploring Agriculture, Plant Science, Food Science, Hospitality Management, Entrepreneurship and Business

- Students take advanced high school and college-level coursework in Horticulture & Crop Science, Food Science, and Business/Marketing

- Students get hands-on experiences, with real-world application

- Research opportunities including working with professionals at Franklin Park Conservatory, Ohio Department of Agriculture, OSU Waterman Farm, Ohio 4-H, OSU South Centers Small Business Development Center, The Chocolate Cafe, Legal Aid Society of Columbus, G&P Productions, and Real Music Records.

Prerequisites for OSU coursework: Mastery in Metro Biology, Chemistry, Trigonometry & Entrepreneurship

Prerequisites for CSCC coursework: A or B in Metro Biology, Chemistry and Entrepreneurship
ENERGY:  Click Here for More Info!!

- For students interested in exploring Environmental Science, Geoscience, Public Policy (Law), City Planning, and Sustainability

- Students take advanced high school and college-level coursework in Clean Energy Systems, Environmental Science, Earth Science & Economics

- Students get hands-on experiences, with real-world application

- Research opportunities include working with professionals at COTA (Central Ohio Transit Authority), COSI (Center Of Science & Industry), Local Matters, Go Sustainable Energy, OSU Byrd Polar Institute, Ohio Environmental Council, and The Columbus Mayor’s Office

Prerequisites for OSU coursework: Mastery in Metro Biology, Chemistry, Trigonometry, and Entrepreneurship

Prerequisites for CSCC coursework: A or B in Metro Biology, Chemistry, and Entrepreneurship
Metro Curriculum Phase 3: Student Choice

• Once students have completed a pathway program, and have done a Capstone/Internship project to add to their resumes, then students can choose their college classes (based on what they want to study in college, or what colleges/universities they want to attend after graduation)

• Students are required to meet with an academic advisor or college coach each semester to plan out and register for college coursework (most work towards completing GEs)
College Application Timeline

1. Determine Your Gateway Status – Now
2. OSU Autumn 2021 Application Deadline – before May 1st
3. CSCC Autumn 2021 Application Deadline – before May 15th
4. Final 2021-2022 Pathway Selection – by May 28th
5. Complete & Pass Gateway Presentation – by May 28th

*ACT/SAT scores are not required for OSU admission, although we do recommend that students take one of those tests before starting college coursework. ACT/SAT scores or placement test scores (through CSCC) may be required for CSCC admission.

* Application packets for each college/university are available on the Metro website or via email request (kemp@themetroschool.org)

Ms. Kemp’s OSU Application Help Video: https://youtu.be/_V4qud7kswA
For Questions about the CSCC Application, please contact Mr. Boyer at: boyer@themetroschool.org
Points to Remember

✘ Transportation
  ○ NOT PROVIDED
  ○ OSU Early College Experiences located at PAST Innovation Labs
  ○ CABs stops close to MECHS to get to OSU classes
  ○ CSCC classes offered online or at the high school (students taking classes on campus will need to provide their own transportation/parking)

✘ Lunch
  ○ Students will have freedom to eat out for lunch
  ○ Must be in HS or college classes on time
  ○ Can’t bring food back for students not in college courses

Any other questions, email or make an appointment with
Ms. Kemp (OSU Academic Advisor)  kemp@themetroschool.org
Mr. Boyer (CSCC Career Coach/Counselor)  boyer@themetroschool.org