Metro Schools

Early College Experiences/ Pathway Programs

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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
3 Science Credits → Biology, Chemistry, and Physics, Energy & Matter or Environmental Science
3 Social Studies Credits → American History, Government, World History and Economics or Entrepreneurship
1 Art Credit → Fine Art or 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.
2020–2021 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.
BODIES:

- For students interested in exploring the Health Sciences including Medicine, Dentistry, Optometry, Pharmacy, Physical Therapy, and Veterinary Medicine, Nursing, Respiratory Therapy, 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: Students must have mastery in Metro Biology, Chemistry, Trigonometry, and HBS (Anatomy)

Link to Tentative Fall BODIES (OSU) Schedule:
https://docs.google.com/spreadsheets/d/1D5H1aw8L5sPsxozeXdGqZCeDqJnuvHMul1U-D2QbBOo/edit?usp=sharing

Link to Tentative Fall BODIES (CSCC) Schedule:
https://docs.google.com/spreadsheets/d/1zFLYAVu5lg6T455CZD11Zl0JSVbvrNShhQpS_Sotmqg/edit?usp=sharing
DESIGN:

- For students interested in exploring Engineering, Computer Science, IT, Construction Management and Architecture

- 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: Students must have mastery in Metro Trigonometry and Mechatronics

Link to Tentative Fall DESIGN (OSU) Schedule:
https://docs.google.com/spreadsheets/d/14R-zcJPrw3-MblmT9HFyuTyB7kek74mxeYtgZCzai2s/edit?usp=sharing

Link to Tentative Fall DESIGN (CSCC) Schedule:
https://docs.google.com/spreadsheets/d/1rKucuuljs6ri4-dDjTOZ6o4p_1ES4_zopw7rt3UhVE/edit?usp=sharing
GROWTH:

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

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

  - 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, and The Chocolate Cafe

Prerequisites for OSU coursework: Students must have mastery in Metro Biology, Chemistry, and Trigonometry

Link to Tentative Fall GROWTH (OSU) Schedule:
https://docs.google.com/spreadsheets/d/1R-zcJPw3_-MbLmT9HFyuTvB7kek74mxeYtqZCzal2s/edit?usp=sharing

Link to Tentative Fall GROWTH (CSCC) Schedule:
https://docs.google.com/spreadsheets/d/1WdJB35P15dCMDaZ0i2qjx6ev3F-VbbN6DLbV31ErqEo/edit?usp=sharing
ENERGY:

- 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 including 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: Students must have mastery in Metro Biology, Chemistry, and Trigonometry

Link to Tentative Fall ENERGY (OSU) Schedule:
https://docs.google.com/spreadsheets/d/1ou3WjkH1IQfwZH6EnEOSkJO2WsdQ7hDUDZQ4kQnw/edit?usp=sharing

Link to Tentative Fall ENERGY (CSCC) Schedule:
https://docs.google.com/spreadsheets/d/1SEbfSnrbmmqkg9BbrvbQ5PyCwAPmVBwh_8QYEwkMRE/edit?usp=sharing
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).

- 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 2020 Application Deadline – **before** May 1st
3. CSCC Autumn 2020 Application Deadline – **before** May 15th
5. Complete & Pass Gateway Presentation – by May 29th

*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) are required for CSCC admission.

* Application packets for each college/university will be available outside of Ms. Kemp’s Office (hard copies) and on the Metro website.

OSU Online Application Link: [https://delegated.osu.edu/psp/csosuda/EMPLOYEE/CAMP/c/OAD_GEA.OAD_GEA_NUR_APL.GBL](https://delegated.osu.edu/psp/csosuda/EMPLOYEE/CAMP/c/OAD_GEA.OAD_GEA_NUR_APL.GBL)

CSCC Online Application Link: [https://www.cscc.edu/admissions/ccp-app.shtml](https://www.cscc.edu/admissions/ccp-app.shtml)
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
Mrs. Kemp (OSU Academic Advisor)  kemp@themetroschool.org
Mr. Boyer (CSCC Career Coach/Counselor)  boyer@themetroschool.org