



FALL 2021

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COMMUNITY

The Craft Academy for Excellence in Science and Mathematics is a two-year post-secondary residential program for academically exceptional Kentucky students. Located on the campus of Morehead State University and nestled in the foothills of the Appalachian Mountains, the Craft Academy serves, in large part, the eastern half of the state, although students do enroll from all parts of Kentucky.

Students transition from their home high schools to the Craft Academy at the beginning of their 11th grade year. We are one of 17 STEM residential programs in the nation.

Students are offered admission to the Craft Academy through a selective application process, which includes transcripts, essays and an interview.

CURRICULUM

RIGOROUS COURSEWORK

Through the Craft Academy experience, students will complete a high school diploma and earn a minimum of 60 college credit hours. Based on what students have had the opportunity to take at their home high schools, transcripts can vary a great deal. Students can select course offerings in any department, including higher level classes. It would not be unusual, for example, to see Calculus III and Differential Equations on a senior schedule.

Math Core (3 courses)

Trigonometry, Pre-Calculus, Calculus I, Calculus II, Statistics, Business Statistics, Calculus III, Differential Equations

Science Core (4 courses)

Principles of Biology*, Principles of Chemistry I and II*, Elementary Physics I and II*, Introduction to Computer Science*, Introduction to Animal Science*, Astro and Physics Methods to Explore the Universe, Human Anatomy and Physiology I and II*, Genetics*, Environmental Biology, Introduction to Programming C++, Physical Geology*, Introduction to Brain and Behavior, Experimental Design & Analysis I, Satellites and Space Systems I and II (**accompanied by a lab*)

English Core (2 courses)

Writing I and Writing II

STEM Electives (3 courses)

Introductory Astronomy, General Zoology, General Botany, Dangerous Planet, Engineering Drawing, Computer Aided Design, Fundamentals of Engineering, Technology and Society, Network Fundamentals, Intro to Biostatistics, Medical Terminology

+X Core and +X Electives (6 courses)

Public Service through Science, Foundations of Speech Communications, Professional Writing, Digital Foundations in Art, Computer Aided Design, Graphic Design I and II, Arts Entrepreneurship, Marketing, Principles of Management, State and Local Government, United States Government, US Foreign Policy, Introduction to Comparative Politics, Introduction to Political Theory, Media Writing, Media Field Production, Public Relations Principles, Strategic Messaging, The Healthcare System, Intro to International Studies, International Culture and Diversity, Intro to Law & Ethics, Beginning Ethics, Introduction to Sociology

NO ADVANCED PLACEMENT

The Craft Academy for Excellence in Science and Mathematics has no faculty. All courses are taught by professors at Morehead State University.

INTERDISCIPLINARY STUDIES (STEM +X)

STEM is our initial focus at the Craft Academy; however, one of our core beliefs is that students need to connect what they are learning to areas outside their fields of expertise. All students must take three **+X Core Courses** and three **+X Elective Courses**.

The +X Core Courses are COMS 108 (Foundations of Speech Communication), POLS 177 (Public Service Through Science), and ENG 390 (Professional Writing).

The +X Elective Tracks can be **Focused** or **Exploratory**. A **Focused Track** includes three courses in one subject area. An **Exploratory Track** includes one course in each of the following areas: Civic and Regional Engagement, Creativity and Design, and Entrepreneurship and Innovation.

HOME HIGH SCHOOLS

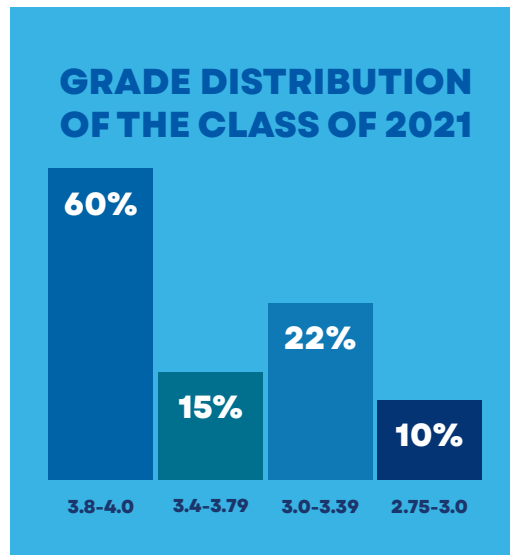
Kentucky has 538 high schools with a wide array of curriculum choices and opportunities for 9th and 10th grade students. GPAs will vary greatly, as will all profile details, such as graduation requirements, passing grades and access to AP courses. All Craft Academy students will graduate from Craft and the home high school.

RESEARCH

At Craft Academy for Excellence in Science and Mathematics, participating in research is more than working in a laboratory. Research projects engage and empower Craft Academy students with hands-on learning to develop critical thinking, creativity, self-confidence and intellectual independence. Participating in research and special projects can offer some amazing opportunities such as international conferences, national competitions and even research on the International Space Station. Being part of research encourages our students to build relationships by collaborating with faculty and professionals, increasing retention in STEM disciplines, preparing students for specific academic interests and potentially their future career. All of these add to promoting an innovation-oriented culture for our Craft Academy students.

CLASS PROFILE

AVERAGE HIGH SCHOOL GPA UPON GRADUATION
3.67
AVERAGE INSTITUTIONAL (CRAFT) GPA UPON GRADUATION
3.55
HIGH SCHOOL AVERAGE WEIGHTED GPA UPON GRADUATION
4.35
AVERAGE ACT SCORES UPON GRADUATION
30



HIGHLIGHTS

- Third consecutive year appearing on the Jay Mathews, Washington Post Editor's Challenge Index Public Elite High Schools for 2021.
- Two National Merit finalists.
- One Goldwater Scholar recipient.
- One Fulbright Scholar.
- Average ACT score: 30.
- Average GPA: 3.67

COLLEGES WHERE CRAFT GRADUATES HAVE BEEN ACCEPTED 2021 Matriculations in Bold

Arizona State University	Georgetown University	Northern Kentucky University	University of Hawaii
Asbury College	Georgia Institute of Technology	Nova Southeastern University	University of Illinois - Urbana Champaign
Auburn University	Harding University	Ohio State University	University of Kentucky
Baylor University	Harvard University	Ohio University	University of Louisville
Bellarmino College	Illinois Institute of Technology	Pennsylvania State University	University of Maryland - College Park
Berea College	Indiana State University	Purdue University	University of Miami
Boston College	Indiana University - Bloomington	Rhodes College	University of Mississippi
Butler University	Iowa State University	Rice University	University of Missouri - Columbia
California School of Technology	Johns Hopkins University	Rochester Institute of Technology	University of Montana
Carnegie Mellon University	Lewis & Clark College	Rose-Hulman Institute of Technology	University of Nevada - Las Vegas
Case Western Reserve University	Lincoln Memorial University	Swarthmore College	University of North Carolina - Chapel Hill
Centre College	Louisiana State University	Texas A&M University	University of South Florida
Chaminade University of Honolulu	Loyola University - New Orleans	Transylvania University	University of Tennessee - Knoxville
Cleveland State University	Marshall University	Tulane University	University of Virginia
Colorado State University	Massachusetts Institute of Technology	University of Alabama	University of West Florida
Columbia College of Chicago	Miami University (OH)	University of Alabama - Huntsville	University of the South
Columbia University	Michigan State University	University of Arizona	Vanderbilt University
DePaul University	Milligan College	University of Buffalo	Virginia Tech
Drake University	Mississippi State University	University of California - Los Angeles	Washington State University
Eastern Kentucky University	Morehead State University	University of California - Merced	Wentworth Institute of Technology
Eckred College	Mount St. Joseph University	University of California - Santa Barbara	Western Kentucky University
Embry-Riddle Aeronautical University	Murray State University	University of California - Berkley	Western Oregon University
Emory University	Neumont College of Computer Science	University of Chicago	Wofford College
George Washington University	New York University	University of Cincinnati	Worcester Polytech
Georgetown College	Northeastern University	University of Colorado - Boulder	Yale University

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MSU is an affirmative action, equal opportunity, educational institution.