



Imagining. Inventing. Impacting.

FALL 2020

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181-849

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DIRECTOR
Dr. Carol Christian

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COMMUNITY

The Craft Academy School District serves the educational needs of academically gifted students of Kentucky. Nestled in the foothills of the Appalachian Mountains on the campus of Morehead State University, the district enjoys a diversified economic base. Currently, the Craft Academy is comprised of 132 of the Commonwealth's top high school juniors and seniors. The student body is 8% Asian, 1.5% Black or African American, 1% Hispanic and 83% white.

SCHOOL

The Craft Academy for Excellence in Science and Mathematics is a dual-credit residential high school for academically exceptional Kentucky students. The academy is housed on the campus of MSU, consistently ranked as one of the top public regional universities in the South and one of the safest campuses in both the Commonwealth and the nation. Students at the Craft Academy have an expressed career interest in STEM. We are one of 17 STEM residential programs in the nation and one of only two in Kentucky.

CURRICULUM

Craft Academy Curriculum

Through the Craft Academy experience, students will complete a high school diploma and earn a minimum of 60 college credit hours. Study is focused on a core of math and science courses and supplemented by electives in the arts and humanities. Additionally, we offer unique, project-based STEM+X courses that enrich our students' educational experiences. The STEM+X curriculum is a special feature of the Craft Academy that broadens and enriches your educational experience. The +X component takes your STEM career interests to a higher level by engaging you to explore how your STEM knowledge is impacted by and can impact technology, business and industry, entrepreneurship, innovation and design and the medical field. You will explore how your thinking and creative talents can be used to imagine and invent. You will learn how to creatively solve problems that impact your community while developing leadership skills and talents.

Math Core	3 courses	+X Core	3 courses
Science Core	4 courses	+X Electives	3 courses
English Core	2 courses	General Elective	1 course
STEM Electives	3 courses		

Note: Students are required to enroll in at least 15 credit hours per semester and complete MATH 175 prior to graduation. Credit hours may vary by course.

ACADEMIC QUALITY

MSU is an institution with a long-standing reputation for academic quality. MSU offers 141 academic programs, including 23 professional program preparations at the undergraduate level, and 70 graduate programs, several of which are available online. Graduates of our professional program preparations are accepted into professional schools, including law and medical schools, at rates that exceed state and national averages.

RESEARCH

At Craft Academy for Excellence in Science & Mathematics, participating in research is more than working in a laboratory. Research projects engage and empower Craft 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.

COMPETITIVE SELECTION CRITERIA

Criteria for selection: Students must apply during their sophomore year, be a resident of the state of Kentucky, be on track to complete Geometry, Algebra I and Algebra II by the end of their sophomore year, and meet the minimum of an 18 in English, 21 in reading and 22 in math on the ACT. Selection is based on a review of the students' essay responses, letters of recommendation, ACT test scores, high school transcript and a face-to-face interview. Last year, we interviewed 135 students and made a final selection of 35 male and 37 female students for a total of 72.

GRADING AND RANKING

A – Excellent	4
B – Above average	3
C – Average	2
D – Below average	1
F – Failure	0

Grade Point Average (GPA) Calculation

GPA is computed using the above quality points. Beginning with grade nine, all subjects, whether passed or failed, are included in the computation. A minimum of 60 credit hours is required for graduation. In addition, each student must complete a community service graduation requirement of 60 hours. Grades are recorded on the transcript and GPA is computed in January and May.

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 PSAT SCORE	1264.22
AVERAGE ACT SCORES UPON ENTERING CRAFT ACADEMY	27
AVERAGE ACT SCORES UPON GRADUATION	30

4,100.32
SERVICE HOURS

Average scholarship money earned:
\$6,264,513.50

100%
100% of all graduates matriculated to four-year colleges

AWARDS AND DISTINCTIONS

8 National Merit Semi-Finalists
4 National Merit Finalists to date

- ## HIGHLIGHTS
- Listed on the Jay Mathews, Washington Post Editor's Challenge Index Public Elites for 2019.
 - College curriculum from an approved and accredited institution.
 - Craft Academy students involved in international space launch experiments.
 - Craft students involved in ancient Mayan research using drone technology.
 - MakerSpace Lab within the Academy.
 - Students involved in internships while attending the Academy.
 - Craft students are viewed as leaders in community service.
 - Craft students excel at the collegiate level, two years in advance of their grade level peers in becoming tomorrow's leaders and change agents.
 - National Merit recipients.
 - Average ACT score: 30.
 - Average GPA: 3.67

COLLEGES WHERE CRAFT GRADUATES HAVE BEEN ACCEPTED

- | | | | |
|--------------------------------------|---------------------------------------|--------------------------------------|---|
| Asbury College | Georgetown University | Northeastern University | University of Hawaii |
| Auburn University | Georgia Tech | Northern Kentucky University | University of Kentucky |
| Bellarmine College | Harvard University | Nova Southeastern University | University of Louisville |
| Berea College | Indiana State University | Ohio State University | University of Miami |
| Butler University | Johns Hopkins University | Ohio University | University of North Carolina at Chapel Hill |
| California School of Technology | Lincoln Memorial University | Pennsylvania State University | University of Tennessee at Knoxville |
| Carnegie Mellon University | Marshall University | Purdue University | University of Virginia |
| Case Western Reserve University | Massachusetts Institute of Technology | Rochester Institute of Technology | University of West Florida |
| Centre College | Miami University (OH) | Rose-Hulman Institute of Technology | Vanderbilt University |
| Chaminade University of Honolulu | Milligan College | Texas A&M University | Virginia Tech |
| Columbia College of Chicago | Mississippi State University | Transylvania University | Washington State University |
| Columbia University | Morehead State University | Tulane University | Wentworth Institute of Technology |
| Eckred College | Mount St. Joseph University | University of Alabama at Huntsville | Western Kentucky University |
| Embry-Riddle Aeronautical University | Murray State University | University of California at Berkeley | Western Oregon University |
| George Washington University | Neumont College of Computer Science | University of Chicago | Wofford College |
| Georgetown College | New York University | University of Cincinnati | Yale University |



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