



BMAH MAGNET HIGH SCHOOL PROGRAM OF STUDY AND PROGRAM REQUIREMENTS

FOR GBHS STUDENTS ENTERING GRADE 9 IN THE 2019-2020 SCHOOL YEAR:

Course Credit BMAH Program Graduation Requirements:

- English – 4.0 credits (Honors or AP Level Grades 9-12)
- Social Studies – 3.5 credits (Honors US History Hybrid, Honors or AP US Government, BMAH Social Issues, Honors or AP World History)
- Science – 4.5 credits (Honors BMAH Biology, Honors BMAH Chemistry, Honors BMAH Physics), an additional Honors or AP Science, Science Research III)
- Math – 4.0 credits (Honors or AP Level Grades 9-12 through the Calculus level by Grade 12)
- Physical Education/Health – Fitness for Life, PE Elective – 1.0 credits, Health – 0.5 credits
- Technology Education – 1.0 credits (PLTW/BMAH Principles of Engineering)
- Foreign Language – at least 3.0 credits in the same language, 4.0 credits recommended
- Art – 1.0 credits (Foundations of Art & 2D Art)
- Elective Credits
 - Medical Rounds Explorations I & II/Community Challenge (STEM Policy, Science Research III, Community Challenge) Course Sequence - 2.0 credits
- BMAH Pathway of Study (Pathway I, Pathway II, Capstone) – 3.0 credits
- Business Education – 1.0 Credits (STEM/BMAH Internship)

ADDITIONAL STEM PROGRAM GRADUATION REQUIREMENTS:

- Mandatory STEM/BMAH Summer Bridge Programs (must attend the entire time) – Entering Grade 9: STEP Up to STEM/BMAH - 2 weeks, Entering Grade 10: STEM/BMAH Summer Summit - 1 week, Entering Grade 11: STEM/BMAH Summer of Service – 24 hours
- Mandatory STEM/BMAH Summer Reading Assignments – Each summer entering Grades 9 - 12
- Participation in TWO STEM/BMAH-related competitions (App Design Challenge & others)
- Students and Families must attend approximately 4-6 STEM/BMAH Family Night Events OR Saturday Weekend Events per school year. These events occur in the evenings and on weekends. Dates will be communicated in advance.
- Mandatory Participation and Completion of the off- campus STEM/BMAH Job Shadowing Experiences Program (Grade 9 – 6 required, Grade 10 – 4 required, Grade 11 – 2 required, Grade 12 – 1 required)
- Mandatory Completion of a STEM/BMAH Internship (Summer after Grade 11 or Fall of Grade 12)
- Students are expected to carry a FULL COURSE SCHEDULE AT THE STEM/BMAH SCHOOL, IN THE STEM/BMAH PROGRAM, for all four years of high school. If students have fulfilled all STEM/BMAH and HS graduation requirements:
 - They have the opportunity to complete their internship during the fall semester of Grade 12 during the school day if scheduling allows AND/OR Students also have the opportunity to attend an institution of higher education to take classes not offered at the high school
- Students must maintain a 2.8 GPA and good citizenship to remain in the STEM/BMAH Program. Students will be placed on academic probation and/or good citizen contracts if they are not maintaining these standards and then be exited from the program. Students MUST complete all academic and additional requirements noted above to remain in the STEM/BMAH Program. Students will be exited from the program at the conclusion of any academic year for non-compliance with program requirements. Students may be exited immediately for serious violations including those resulting in suspension and/or charges being filed with the criminal justice system.
- Students exiting the magnet program MUST return to their home school. They are not eligible to apply for an out of area transfer to remain at the STEM/BMAH school.
- Students must fully participate in the STEM/BMAH Success Mentorship Program. Juniors & Seniors will serve as mentors and Freshman & Sophomores will serve as mentees.

NOTE: Students are committed to the four year program of study in the STEM/BMAH Magnet School & Program and should consider this upon accepting their seat in the program. Before you make your commitment, please consider: your desire to remain at your home school (your school assigned by address), your desire to remain with friends, the rigorous workload of the STEM/BMAH programs, magnet bus transportation, and the required program of study, including the additional requirements of the program BEFORE making your commitment to the STEM/BMAH High School Program. Students will not be transferred out of the program unless there are extenuating circumstances including but not limited to family relocation, medical circumstances or other qualifying considerations. As noted, students must also maintain academic and good citizenship standing to remain in the program.

NOTE: In the academic schedules that follow, [BMAH] denotes a course for which students are cohorted.

GRADE 9

Summer I

STEM Summer Program I experience for Rising 9th Graders Accepted into STEM Magnet High School – 2 Weeks & Summer I Reading Assignment

9th Grade

Fall Semester

PD	A Day	B Day
1-A1	Medical Rounds Explorations I [BMAH]	BMAH Foundations of Art [BMAH]
1-A2	BMAH Social Issues [BMAH]	
2	World Language I	Honors or AP Math I
3	BMAH Honors Biology [BMAH]	BMAH/PLTW Principles of Engineering [BMAH]
4	Honors English 9 [BMAH]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

9th Grade

Spring Semester

PD	A Day	B Day
1-A1	Medical Rounds Explorations I [BMAH]	BMAH Fitness for Life [BMAH]
1-A2	BMAH Social Issues [BMAH]	
2	World Language I	Honors or AP Math I
3	BMAH Honors Biology [BMAH]	BMAH/PLTW Principles of Engineering [BMAH]
4	Honors English 9 [BMAH]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

GRADE 10

Summer II

Summer Program II experience for Rising 10th Graders – 1 Week & Summer II Reading Assignment

10th Grade

Fall Semester

PD	A Day	B Day
1-A1	Medical Rounds Explorations II [BMAH]	BMAH Studio Art: 2D [BMAH]
1-A2	Honors US History Hybrid Online [BMAH]	
2	World Language II	Honors or AP Math II
3	BMAH Honors Chemistry [BMAH]	BMAH Pathway Class I [BMAH]
4	Honors English 10 [BMAH]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

10th Grade

Spring Semester

PD	A Day	B Day
1-A1	Medical Rounds Explorations II [BMAH]	BMAH Health [BMAH]
1-A2	Honors US History Hybrid Online [BMAH]	
2	World Language II	Honors or AP Math II
3	BMAH Honors Chemistry [BMAH]	BMAH Pathway Class I [BMAH]
4	Honors English 10 [BMAH]	Elective Period (Band, Orchestra, Chorus, AVID, etc.)

GRADE 11

Summer III

Summer Program III experience for Rising 11th Graders – 24 Hours of Service & Summer III Reading Assignment

11th Grade

Fall Semester

PD	A Day	B Day
1	Honors or AP US Government [BMAH]	Honors or AP Math III
2	World Language III or Elective	STEM Pathway Class II [BMAH]
3	BMAH Honors Chemistry [BMAH]	BLOCK SCHEDULED: [BMAH] <ul style="list-style-type: none"> Problem/Project Based Learning Explorations III: Community Challenge [STEM], STEM Policy [STEM], STEM Science Research 3 [STEM]
4	Honors or AP English 11	

11th Grade

Spring Semester

PD	A Day	B Day
1	Honors or AP US Government [BMAH]	Honors or AP Math III
2	World Language III or Elective	STEM Pathway Class II [BMAH]
3	BMAH Honors Chemistry [BMAH]	Honor or AP English 11
4	Elective Period (Band, Orchestra, Chorus, AVID, etc.) OR Additional BMAH Pathway Class	BMAH Elective Period OR Additional BMAH Pathway Class

GRADE 12

Summer IV

STEM Internship & Summer IV Reading Assignment

12th Grade

Fall Semester

PD	A Day	B Day
1	H or AP World History	Honors or AP Math IV (must take Calculus by end of Grade 12)
2	World Language IV or Elective	BMAH Capstone [BMAH]
3	AP Science or Honors Elective Science	Elective Period (Band, Orchestra, Chorus, AVID, etc.)
4	Honors or AP English 12	BMAH Pathway Class [BMAH] OR Elective Period (Higher Ed, additional STEM Pathway Class etc.)

12th Grade

Spring Semester

PD	A Day	B Day
1	H or AP World History	Honors or AP Math IV (must take Calculus by end of Grade 12)
2	World Language IV or Elective	BMAH Capstone [BMAH]
3	AP Science or Honors Elective Science	Elective Period (Band, Orchestra, Chorus, AVID, etc.)
4	Honors or AP English 12	BMAH Pathway Class [BMAH] OR Elective Period (Higher Ed, additional STEM Pathway Class etc.)