

COLLEGIATE SCHOOL OF MEDICINE AND BIOSCIENCE
4-Year Course & Graduation Plan
2021-22

	9 th	10 th	11 th	12 th
English MO required (4) CSMB required (4)	English 9	Honors English 10 English 10	AP English Language/Comp English 11 ACT Prep-elective/ not English credit	AP English Literature AP English Language/Comp English 12
Mathematics MO required (3) CSMB required (4)	Algebra II Algebra I	Geometry Algebra II	Pre-Calculus Geometry	AP Calculus AB College Algebra Pre-Calculus College Prep Algebra
Science MO required (3) CSMB required (4)	Physics First Biology	Biology Honors Biology Chemistry Honors Chemistry AP Biology	Chemistry Honors Chemistry AP Biology AP Environmental Science Botany Zoology Physics	AP Chemistry AP Physics AP Environmental Science Physics Botany Zoology
Social Studies MO required (3) CSMB required (3) Personal Finance required (.5)	World History	US History Personal Finance – .5 credit Geospatial Information Systems (GIS) - .5 credit - elective/ not SS credit AP Human Geography(w/ GIS)	AP US Government US Government Geospatial Information Systems (GIS) - .5 credit – elective/ not SS credit AP Psychology AP Human Geography(w/ GIS)	AP Human Geography(w/ GIS) AP Psychology Psychology
Foreign Language MO required(0) CSMB required (2+)	Spanish I Latin I	Spanish II Latin II	Spanish III Latin III	AP Spanish Lang
Physical Education/Health MO required(1.5) CSMB(1.5)	Physical Education	Physical Fitness (Elective) Health - .5 credit - required	Physical Fitness (Elective)	Physical Fitness (Elective)
Fine Arts MO required (1) CSMB(1)	Intro to Art I Orchestra I	Art II (Painting and Drawing) Orchestra II	Art III (Sculpture) Orchestra III	Art IV(Advanced Art) Orchestra IV
Biomedical Science Courses (Practical Arts) CSMB Required (4)	Principles of Biomedical Science (PLTW)	Human Body Systems (PLTW)	Personalized Medicine (PLTW)	Biomedical Innovation(PLTW) <u>Bioscience</u> <u>Internship/Capstone Project</u>
Coding/Computer Science (electives)	Coding	AP Computer Science P Coding	AP Computer Science A AP Computer Science P	AP Computer Science A

Graduation Requirements:

- An **Internship** or **Capstone Research Project** is required to graduate from Collegiate. Internships fields include: of medicine, biomedical research, biotech, biomedical engineering, nursing, physical therapy, pharmacy, botany, zoology, GIS, environmental science, computer science, psychology and social work.
- AP Biology, AP Calculus, AP English Language, AP English Literature, and AP Environmental Science will be offered as ACP courses earning college credit from UMSL with a grade of A, B, or C. AP Physics and AP Chemistry are offered as dual-enrollment courses through Logan University. AP Computer Science P & A and AP Psychology are also offered.
- All Collegiate graduates must take one AP STEM course, complete the four-year PLTW Biomedical Science pathway, and take a traditional science course each of the four years. The AP STEM courses include all AP science and computer science courses as well as AP Calculus.
- 100 hours of community service required to graduate from Collegiate. Community service must begin no earlier than the first day of the freshman year.
- All Collegiate students must complete at least 30 graduation credits to earn a Collegiate diploma.