

COLLEGIATE SCHOOL OF MEDICINE AND BIOSCIENCE
4-Year Course & Graduation Plan
2024-25

	9th	10th	11th	12th
English MO required (4) CSMB required (4) # elective ^ can be taken as a semester or year-long course	English 9	English 10 Honors English 10 Publications #^	English 11 AP English Language/Comp. African American Literature AP African American Studies Publications #^	English 12 AP English Literature/Comp African American Literature# AP African American Studies Publications #^
Mathematics MO required (3) CSMB required (4)	Algebra I Algebra II	Algebra II Geometry	Geometry AP Pre-Calculus	AP Pre-Calculus AP Calculus AB College Algebra College Prep Algebra
Science MO required (3) CSMB required (4) * Required	Biology*	Chemistry* Honors Chemistry AP Biology Botany/Zoology	AP Biology AP Environmental Science Physics Botany/Zoology	AP Chemistry AP Physics AP Biology AP Environmental Science Physics Botany/Zoology
Social Studies MO required (3.5) CSMB required (3.5) * Required	World History* GIS: Geospatial Info. Systems	US History* Personal Finance (.5)* AP Human Geography GIS: Geospatial Info. Systems	US Government* AP Psychology AP Human Geography GIS: Geospatial Info. Systems	AP Human Geography GIS: Geospatial Info. Systems
World Languages CSMB required (2)	Spanish I Latin I	Spanish II Latin II	Spanish III Latin III	AP Spanish Latin IV
Physical Education & Health MO required (1.5) CSMB required (1.5) * Required	Physical Education*	Physical Fitness Health (.5)*	Physical Fitness	Physical Fitness
Fine Arts MO required (1) CSMB required (1)	Intro to Art Intermediate Band	Drawing and Painting Concert Band	Sculpture Concert Band	Advanced Art Concert Band
PLTW Biomedical Science CSMB Required (5)	Principles of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovation Bioscience Internship/Capstone Project
Computer Science (elective courses)	Computer Science GIS: Geospatial Info. Systems	AP Computer Science P Computer Science GIS: Geospatial Info. Systems	AP Computer Science A AP Computer Science P GIS: Geospatial Info. Systems	AP Computer Science A GIS: Geospatial Info. Systems

Graduation Requirements:

1. At least 28 high school academic credits.
2. An **Internship or Capstone Research Project**. Internship fields available: medicine, biomedical research, biotechnology, biomedical engineering, nursing, physical therapy, pharmacy, botany, zoology, environmental science, ecology, computer science, cyber security, psychology, and GIS.
3. Four years of the **PLTW Biomedical Science pathway** and traditional science courses.
4. At least one AP STEM course. AP STEM courses that Collegiate offers are AP Biology, AP Chemistry, AP Environmental Science, AP Computer Science Principles, AP Computer Science A, and AP Calculus.
5. AP Biology, AP Calculus, College Algebra, AP Chemistry, AP Human Geography, AP English Language, and AP English Literature are offered as dual credit courses earning college credit from STLCC-Forest Park or University of Missouri-St. Louis with a grade of A, B, or C.