STEM Life Science (Pre-Med) Pathway

Appropriate for majors like Biology and Environmental Science, including Secondary Education

Course	Timing	College Credit	HS Grad Credit?	Notes
ENGL 103 – English Composition and Research	Fall of Junior Year	4	Yes	MD requires English 11 or equivalent in the junior year. AP English 11 credit
HIST 102 - World Civilizations	Spring of Junior Year	4	Yes	AP World History credit
AP English 12 or Honors English 12	Fall of Senior Year	N/A	Yes	MD requires English 12 or equivalent for the senior year. Take during HS 1st period
BIOL 202 - Intro to Biology: Evolution and Ecology	Fall of Senior Year	4	Yes	AP Biology B credit
CHEM 121 - General Chemistry I	Fall of Senior Year	4	Yes	AP Chemistry A credit
MATH 155 - Modern Statistics with Computer Analysis	Spring of Senior Year	3	Yes	Meets required math credit for MD HS Diploma; AP Statistics credit
BIOL 201 - Intro to Biology: Molecular and Cellular Biology	Spring of Senior Year	4	Yes	AP Biology A credit
CHEM 122 - General Chemistry II	Spring of Senior Year	4	Yes	Prereq: CHEM 121; AP Chemistry B credit

Additional suggested courses: PHYS 121 and 123, MATH 198, EDFN 210

STEM Physical Science (Pre-Engineering) Pathway

Appropriate for majors like Chemistry, Earth Science, Mathematics, Physics, and Engineering including Secondary Education

Course	Timing	College Credit	HS Grad Credit?	Notes
ENGL 103 – English Composition and Research	Fall of Junior Year	4	Yes	MD requires English 11 or equivalent in the junior year. AP English 11 credit
HIST 102 - World Civilizations	Spring of Junior Year	4	Yes	AP World History credit
AP English 12 or Honors English 12	Fall of Senior Year	N/A	Yes	MD requires English 12 or equivalent for the senior year. Take during HS 1st period
MATH 201 - Calculus I	Fall of Senior Year	4	Yes	Meets required math credit for MD HS Diploma; AP Calculus I credit
CHEM 121 - General Chemistry I	Fall of Senior Year	4	Yes	AP Chemistry A credit
PHYS 221 - Physics I	Spring of Senior Year	4	Yes	AP Physics 1 credit
MATH 202 - Calculus II	Spring of Senior Year	4	Yes	Prereq: MATH 201; AP Calculus 2 credit; Taking both MATH 201 and 202 improves transferability
CHEM 122 - General Chemistry II	Spring of Senior Year	4	Yes	Prereq: CHEM 121; AP Chemistry B credit

Additional suggested courses: PHYS 223, EDFN 210

Arts Pathway

Appropriate for majors like Art, Art History, and Fine Arts

Course	Timing	College Credit	HS Grad Credit?	Notes
ENGL 103 – English Composition and Research	Fall of Junior Year	4	Yes	MD requires English 11 or equivalent in the junior year. AP English 11 credit
HIST 102 - World Civilizations	Spring of Junior Year	4	Yes	AP World History credit
AP English 12 or Honors English 12	Fall of Senior Year	N/A	Yes	MD requires English 12 or equivalent for all graduates. Take during HS 1st period
ART 121 – Design Principles	Fall of Senior Year	4	No	Arts elective
BIOL 101 – Fundamentals of Biology	Fall of Senior Year	4	Yes	Honors Science credit
MATH 155 - Modern Statistics with Computer Analysis	Spring of Senior Year	3	Yes	Meets required math credit for MD HS Diploma; AP Statistics credit
ART 130 – Drawing I	Spring of Senior Year	4	No	Arts elective
ART 201 – Introduction to Art History	Spring of Senior Year	4	No	Arts elective

Additional suggested courses: SPAN 102, FREN 102, PHIL 101, PSYC 101

Nursing Pathway

Appropriate for majors like Nursing, Medical Lab Science, Health Science or Respiratory Therapy

Course	Timing	College Credit	HS Grad Credit?	Notes
ENGL 103 – English Composition and Research	Fall of Junior Year	4	Yes	MD requires English 11 or equivalent in the junior year. AP English 11 credit
HIST 102 - World Civilizations	Spring of Junior Year	4	Yes	AP World History credit
AP English 12 or Honors English 12	Fall of Senior Year	N/A	Yes	MD requires English 12 or equivalent for all graduates. Take during HS 1st period
PSYC 101 – General Psychology	Fall of Senior Year	4	Yes	Honors Psychology credit
CHEM 121 - General Chemistry I	Fall of Senior Year	4	Yes	AP Chemistry A credit
MATH 155 - Modern Statistics with Computer Analysis	Spring of Senior Year	3	Yes	Meets required math credit for MD HS Diploma; AP Statistics credit
FTWL 106 - Lifelong Fitness and Wellness	Spring of Senior Year	3	No	Physical Education elective
CHEM 122 - General Chemistry II	Spring of Senior Year	4	Yes	Prereq: CHEM 121; AP Chemistry B credit

Humanities Pathway

Appropriate for majors like Communication, Conflict Analysis & Dispute Resolution, English, Environmental Studies, History, Philosophy, Political Science, Psychology, or Sociology, including Secondary Education

Course	Timing	College Credit	HS Grad Credit?	Notes
ENGL 103 – English Composition and Research	Fall of Junior Year	4	Yes	MD requires English 11 or equivalent in the junior year. AP English 11 credit
HIST 102 - World Civilizations	Spring of Junior Year	4	Yes	AP World History credit
AP English 12 or Honors English 12	Fall of Senior Year	N/A	Yes	MD requires English 12 or equivalent for all graduates. Take during HS 1st period
ART 121 – Design Principles	Fall of Senior Year	4	No	Arts elective
BIOL 101 – Fundamentals of Biology	Fall of Senior Year	4	Yes	Honors Science credit
MATH 155 - Modern Statistics with Computer Analysis	Spring of Senior Year	3	Yes	Meets required math credit for MD HS Diploma; AP Statistics credit
PHIL 101 – Intro to Philosophy	Spring of Senior Year	4	No	Behavioral Sciences elective
PSYC 101 – General Psychology	Spring of Senior Year	4	Yes	Honors Psychology credit

Additional suggested courses: SPAN 102, FREN 102, EDFN 210

Business Pathway

Appropriate for majors like Accounting, Management, Marketing, and Information Science

Course	Timing	College Credit	HS Grad Credit?	Notes
ENGL 103 – English Composition and Research	Fall of Junior Year	4	Yes	MD requires English 11 or equivalent in the junior year. AP English 11 credit
HIST 102 - World Civilizations	Spring of Junior Year	4	Yes	AP World History credit
AP English 12 or Honors English 12	Fall of Senior Year	N/A	Yes	MD requires English 12 or equivalent for all graduates. Take during HS 1st period
ECON 211 – Principles of Microeconomics	Fall of Senior Year	3	Yes	Consumers Economics credit
ACCT 201 – Intro to Financial Accounting	Fall of Senior Year	3	No	Business elective
MATH 155 - Modern Statistics with Computer Analysis	Spring of Senior Year	3	Yes	Meets required math credit for MD HS Diploma; AP Statistics credit
INFO 211 – Info Systems Concepts for Management	Spring of Senior Year	3	No	Information Systems elective
ACCT 202 – Intro to Managerial Accounting	Spring of Senior Year	3	No	Prereq: ACCT 201; Business elective

Elementary Education Pathway

Appropriate for majors like Early Childhood Education and Elementary Education

Course	Timing	College Credit	HS Grad Credit?	Notes
ENGL 103 – English Composition and Research	Fall of Junior Year	4	Yes	MD requires English 11 or equivalent in the junior year. AP English 11 credit
HIST 102 - World Civilizations	Spring of Junior Year	4	Yes	AP World History credit
AP English 12 or Honors English 12	Fall of Senior Year	N/A	Yes	MD requires English 12 or equivalent for all graduates. Take during HS 1st period
ART 121 – Design Principles	Fall of Senior Year	4	No	Arts elective
BIOL 101 – Fundamentals of Biology	Fall of Senior Year	4	Yes	Honors Science credit
MATH 155 - Modern Statistics with Computer Analysis	Spring of Senior Year	3	Yes	Meets required math credit for MD HS Diploma; AP Statistics credit
PSYC 101 – General Psychology	Spring of Senior Year	4	Yes	Honors Psychology credit
PHYS 101 – Physical Science	Spring of Senior Year	4	Yes	Honors Physical Science credit

Additional suggested courses: EDFN 210, ELED 201