

UNIVERSITY OF MISSOURI-ST. LOUIS
AND
JEFFERSON COLLEGE

ASSOCIATE IN ARTS LEADING TO BACHELOR OF ARTS IN

PHYSICS

FIRST SEMESTER

JC

English 101 English Comp I(3)
Humanities (3)
Math 141 Precalculus (5)
Foreign Language I (5)
COL 101 Intro to College (1)

Hours: (17)

UMSL Equiv.

Math 1030 & 1035

SECOND SEMESTER

JC

Math 180 Calculus I (5)
Foreign Language II (5)
Physics 118 Intro to Physics (2)
Social Science (3)
English 102 English Comp II(3)

Hours: (18)

UMSL Equiv.

Math 1800

THIRD SEMESTER

JC

SPD 105 Oral Communication (3)
Social Science (3)
Physics 223 General Physics I (4)
Math 185 Calculus II (5)
Foreign Language III (3)

Hours: (18)

UMSL Equiv.

Physics 2111
Math 1900

FOURTH SEMESTER

JC

Humanities (6)
History 103 or 104 (3)
Physics 224 General Physics II (4)
Math 201 Calculus III (5)

Hours: (18)

UMSL Equiv.

Physics 2112
Math 2000

SUMMER

Biology 102 Concepts of Biology (3)
PSC 102 US & Mo Govern (3)
Hours: (6)

FIFTH SEMESTER

UMSL

English 3100	Advanced Expository Writing (3)
Physics 1099	Windows on Physics (1)
Physics 3200	Surv of Theoretical Physics (3)
Math 2020	Differential Equations (3)
Chemistry 1111	Intro to Chemistry (5)

Hours: (15)

SIXTH SEMESTER

UMSL

CS 1250	Intro to Computing (3)
Physics 3221	Mechanics (3)
Physics 3223	Electronics & Magnetism (3)
Cultural Diversity	(3)

Hours: (12)

SEVENTH SEMESTER

UMSL

Physics 3231	Intro to Modern Physics (3)
3000/ 4000 Level	Physics Elective (3)
Upper Level	General Educ options (6)

Hours: (12)

EIGHTH SEMESTER

UMSL

3000/4000 Level	Physics Elective (6)
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Hours: (6)

DEGREE NOTES:

General Educ option courses should always be chosen based on your major and the transfer institution.

It is recommended that the three physics electives include at least one of the following: Physics 4311(Advance Lab), Physics 4347 (Biophysics of Imaging), or Astro 4322 (Observational Astronomy). Students interested in Astronomy should also take Astro 1050 and 1051 (Intro to Astronomy I and II) in the first twosemesters at UMSL.

+It is **strongly** recommended that **all** foreign language proficiency courses be completed at JC or at UMSL. If the proficiency sequence is incomplete at the time of transfer, students will be required to take the UMSL Foreign Language Placement exam before being permitted to take additional foreign language courses.

120 hours are required for the BA in Physics.

Students completing an Associate in Arts or and Associate in Applied Science degree from a Missouri community college that includes a CBHE approved general Education core will be allowed transfer credit of more than 64 hours only if the additional lower division credits are applicable to the baccalaureate degree or are prerequisites for upper division course in the major.

Maximum of 60 hours may transfer without an AA

Please seek advisement from your JC Academic Advisor for assurance of AA completion

CONTACT INFORMATION:

Note: It is important to contact the UM-St. Louis Transfer Coordinator each semester.
JC- Susan Bateman, UM-St. Louis Transfer Coordinator, 636-922-8670

For additional information, contact Ta Pai Cheng in the UM- St Louis Physics Department, 503J Benton Hall 314-516-5931 or tpcheng@umsl.edu.