

PHYSICS



Toward a Bachelor of Science Degree

Minimum 62 hours

Transfer Curriculum • Associate in Science Degree • Minimum 2.0 OGPA • Major Code: DAS

This curriculum is designed for transfer to four year institutions for this major. Consult the website of the four year institution where you plan to transfer, regarding specific course needs, requirements and deadlines.

FIRST YEAR

Fall Semester		Credit Hrs
ENG 121	Rhetoric & Composition I	3
COM 121	Principles of Speaking	3
MATH 161	Pre-Calculus	4
SOCIAL AND BEHAVIORAL SCIENCES (See Below)		3
CHEM 121	General Chemistry I	5
Total Hours		18

Spring Semester		Credit Hrs
ENG 122	Rhetoric & Composition II	3
MATH 162	Calculus I	5
HUMANITIES AND FINE ARTS (See Below)		3
CHEM 122	General Chemistry II	5
Total Hours		16

SECOND YEAR

Fall Semester		Credit Hrs
PHYS 221	General Physics I	5
MATH 221	Calculus II	5
HUMANITIES AND FINE ARTS (See Below)		3
LIFE SCIENCE (See Below)		4
Total Hours		17

Spring Semester		Credit Hrs
PHYS 222	General Physics II	5
PHYS 241	Statics	3
SOCIAL AND BEHAVIORAL SCIENCES (See Below)		3
MATH 222	Calculus & Analytic Geometry III	5
MATH 225	Differential Equations	3
Total Hours		19

The bolded classes on this curriculum guide indicate the minimum a student must complete in order to receive an Associate degree. See advisor for specific transfer information.

Suggested electives: BTC 121-3 Scientific Literature for Biotech, BTC 221-4 Introduction to Biotechnology, BTC 241-3 Immunology for Biotechnology, or BTC 242-3 Cell & Molecular Biology.

NOTE: FOREIGN LANGUAGE is required by some Colleges and Universities.

HUMANITIES AND FINE ARTS: 6 semester hours. At least one course must be taken from each area.

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| Area 1 | <input type="checkbox"/> ART 121-3 (F2 900) Art Appreciation | <input type="checkbox"/> MUS 121-3 (F1 900) Music Appreciation | <input type="checkbox"/> COM 128-3 (F2 905) Film Appreciation |
| | <input type="checkbox"/> ART 222-3 (F2 901) Prehistory to Medieval Art | <input type="checkbox"/> MUS 126-3 (F1 904) Intro to American Music | <input type="checkbox"/> THTR 121-3 (F1 907) Introduction to Theater |
| | <input type="checkbox"/> ART 223-3 (F2 902) Renaissance to Contemporary Art | | |
| Area 2 | <input type="checkbox"/> ENG 243-3 (H3 902) Introduction to Drama | <input type="checkbox"/> ENG 261-3 (H3 914) American Literature I | <input type="checkbox"/> PHIL 121-3 (H4 900) Intro to Philosophy |
| | <input type="checkbox"/> ENG 245-3 (H3 906) World Literature | <input type="checkbox"/> ENG 262-3 (H3 915) American Literature II | <input type="checkbox"/> PHIL 122-3 (H4 906) Fundamentals of Logic |
| | <input type="checkbox"/> ENG 246-3 (H3 907) Modern Literature | | <input type="checkbox"/> PHIL 221-3 (H4 904) Fundamentals of Ethics |
| | | | <input type="checkbox"/> PHIL 224-3 (H5 904N) Comparative Religions |

SOCIAL & BEHAVIORAL SCIENCES: 6 semester hours. Course must be taken from two different areas.

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| Area 1 | <input type="checkbox"/> ECE 141-3 (S6 903) Child Development | <input type="checkbox"/> PSYC 121-3 (S6 900) Intro Psychology | <input type="checkbox"/> SOC 121-3 (S7 900) Intro Sociology |
| | <input type="checkbox"/> PSYC 221-3 (S6 903) Child Psychology | | <input type="checkbox"/> SOC 221-3 (S7 902) The Family in Society |
| Area 2 | <input type="checkbox"/> HIST 121-3 (S2 902) Western Civilization to 1648 | <input type="checkbox"/> HIST 141-3 (S2 901N) Latin American History | <input type="checkbox"/> HIST 241-3 (S2 900N) American History I |
| | <input type="checkbox"/> HIST 122-3 (S2 903) Western Civilization from 1648 | <input type="checkbox"/> HIST 161-3 (S2 906N) African Culture | <input type="checkbox"/> HIST 242-3 (S2 901N) American History II |
| Area 3 | <input type="checkbox"/> ECON 121-3 (S3 901) Macroeconomics | <input type="checkbox"/> GOVT 121-3 (S5 900) American Government | |
| | <input type="checkbox"/> ECON 122-3 (S3 902) Microeconomics | <input type="checkbox"/> GOVT 226-3 (S5 904N) Intro International Relations | |

PHYSICAL AND LIFE SCIENCES: 4 semester hours. At least one course must be taken from each area.

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| Area 1 | <input type="checkbox"/> BIOL 121-4 (L1 900L) Introductory Biology | <input type="checkbox"/> BOT 121-4 (L1 901L) Introduction to Botany | <input type="checkbox"/> BIOL 221-4 (L1 900L) General Biology I |
| | <input type="checkbox"/> BIOL 141-4 (L1 905L) Environmental Science | | |

Career Opportunities:

Positions are available in such specialties as Experimental, Electronic, Molecular, Fluids, Nuclear, Solid State, Theoretical, Biophysics, Chemical, Mechanical, Materials Science, Acoustics, Astronomy, Electricity and Magnetism, Light and Optics, Plasma, Thermodynamics, Geophysics, Engineering, Instrumentation, Aerospace, Education, Technical Writing, Sales.

Major Employers:

Chemical, Electrical Equipment, Aircraft, Automobile, Computer Hardware and Software Manufacturers; Independent Research Centers and Laboratories; Colleges and Universities; Schools; Government Agencies including U.S. Departments of Defense and Commerce and National Aeronautics and Space Administration.