



PHYSICS*
Toward a Bachelor of Science Degree

Transfer Curriculum
 Associate in Science
 Minimum Hrs. 64
 Major Code: 1.1 400801B

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ENG 101 English Composition I ¹	3	—
MAT 131 Calculus I	5	—
PHY 205 University Physics I	5	—
Social Science Elective ²	3	—
	16	—

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
CHM 151 Chemical Principles	5	—
MAT 202 Calculus III	3	—
PHY 201 Statics	3	—
Humanities Elective ²	3	—
Life Science Elective ²	3	—
	17	—

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ENG 102 English Composition II ¹	3	—
MAT 201 Calculus II	5	—
PHY 206 University Physics II	5	—
PSY 132 General Psychology	3	—
	16	—

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
MAT 205 Differential Equations	3	—
PSC 131 American Government OR	3	—
HIS 201 United States History I OR		
HIS 202 United States History II		
SPE 115 Speech	3	—
Fine Arts Elective ²	3	—
Humanities Elective ²	3	—
	15	—

*Students may wish to complete additional courses, such as PHY 202, PHY 212, PHY 215, or CHM 152, CPS203, for transfer into a bachelor's degree program by attending summer sessions or taking an additional course during fall or spring semesters. See advisor for possible courses for specific transfer institutions.

¹ Requires a grade of "C" or higher.

² At least one elective course should be selected from Group VII, Integrative Skills, for the A. S. degree.

This curriculum guide outlines a recommended or suggested first two years for individuals interested in pursuing a baccalaureate degree in this discipline or possibly one closely related. The General Education component in this recommended guide meets the guidelines established by the Illinois Articulation Initiative General Education Core Curriculum (IAI GECC). With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-V (General Education Component; GECC-IAI) of the curriculum guide (see the Associate in Science general degree requirements worksheet in the John A. Logan College Catalog).

It is recommended that you consult the catalog of the college or university you are considering as a transfer institution to complete a baccalaureate degree. It is also recommended that you consult with an academic advisor at that college or university.

*John A. Logan College reserves the right to modify this curriculum guide as needed.
 Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2008

Career Opportunities: Positions are available in such specialties as experimental, electronic, molecular, fluids, 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, Commerce, and National Aeronautics Space Administration.