



PHYSICS*
Toward a Bachelor of Science Degree

Transfer Curriculum 000AS0087 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	<u>3</u>	___
		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	<u>3</u>	___
		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	<u>3</u>	___
		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	<u>3</u>	___
		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.