

## Pre-CLINICAL LABORATORY SCIENCE MAJORS (Suggested Associate in Science Degree Curriculum)

This worksheet is designed to help students select courses which are likely to apply to a major in **CLINICAL LABORATORY SCIENCES**. The courses listed are suggested courses which are designed to satisfy requirements in the Associate in Science degree program at Prairie State College and provide the basis for transferring to a four-year institution. This program meets the guidelines of the **IAI (Illinois Articulation Initiative) General Education Core**. Students should obtain a copy of the Associate in Science Degree Worksheet and should visit the IAI website at [www.iTransfer.org](http://www.iTransfer.org) for more information.

Clinical laboratory scientists perform lab tests to aid in the diagnosis, treatment and prevention of diseases. They operate complex electronic equipment, computers and precision instruments to process tests to uncover diseases such as AIDS, diabetes, and cancer. Clinical laboratory scientists are responsible for confirming accuracy of test results and reporting laboratory findings to pathologists, physicians, nurses, and other health care professionals. Preparation for this field requires a solid foundation in science, mathematics and computer science. To search for accredited clinical laboratory science programs: <http://www.naacls.org/search/programs.asp>

### SUGGESTED CURRICULUM

*Each senior institution has its own transfer policies. Therefore, we cannot guarantee the accuracy of this information in regard to every individual school. Consult the school of your choice and/or the Prairie State College Advising Center to discuss the transferability of courses.*

#### TRANSFERABLE GENERAL EDUCATION CORE: (39-40 credits)

##### Area A: Communications (9 credits)

ENG 101 (3)	[C1 900]*	Composition I (Prereq. ENG 099, C or better, or qualifying score on English Placement Test)
ENG 102 (3)	[C1 901R]*	Composition II (Prereq. ENG 101 with C or better)
COMM 101 (3)	[C2 900]	Principles of Communication

*\*Must have a C or better in ENG 101 & 102 to receive credit for the degree.*

##### Area B: Humanities and Fine Arts (9 credits)

Select three courses with at least one course selected from the humanities area and one course from the fine arts area. Refer to the Associate in Science Degree Worksheet, Area B, for a listing of approved course choices.

Humanities Course (3)	Select any Area B Humanities Course (Prereq. Placement in ENG 099 or above)
Fine Arts Course (3)	Select any Area B Fine Arts Course (Prereq. Placement in ENG 099 or above)
Humanities/Fine Arts Course (3)	Select any Area B Course (Prereq. Placement in ENG 099 or above)

##### Area C: Mathematics (3-4 credits)

Select one math course from:

MATH 115 (3)	[M1 902]	General Education Statistics (Prereq. MATH 095 & 096 with C or better <b>OR</b> MATH 095 and high school geometry, both with C or better <b>OR</b> qualifying score on Math Placement Test)
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**OR**

MATH 153 (4)	[M1 902]	Statistics (Prereq. MATH 151 with C or qualifying score on Math Placement Test)
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##### Area D: Physical and Life Sciences (9 credits)

BIOL 112 (4)	[L1 900L]	Organismal Biology (Prereq. High school biology or BIOL 100)
CHEM 110 (5)	[P1 902L]	General Chemistry I (Prereq. MATH 095 with C or better <b>OR</b> Placement in MATH 151 <b>AND</b> high school chemistry)

##### Area E: Social and Behavioral Sciences (9 credits)

Select three courses in at least two different disciplines. Refer to the Associate in Science Degree Worksheet, Area E, for a listing of approved course choices.

Social/Behavioral Sci Course (3)	Select any Area E Social/Behav Sci Course (Prereq. Placement in ENG 099 or above)
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## CLINICAL LABORATORY MAJOR COURSE RECOMMENDATIONS (22-23 credits)

(Check with the school to which you plan to transfer to verify the transferability of these courses for this major)

Select 22-23 credits from the “suggested” course recommendations listed below:

### Suggested Clinical Laboratory Core Courses:

- BIOL 111 (4) Cellular and Molecular Biology (Prereq. High school biology or equivalent with a C or better within the past 5 years; placement into ENG 099 or above)  
CHEM 130 (5) General Chemistry II (Prereq. CHEM 110 with C or better)

### Other suggested clinical laboratory major courses often include:

- BIOL 211 (4) Microbiology (Prereq. BIOL 111 with C or better; **OR** CHEM 105 with C or better; **OR** high school chemistry within past 5 years with C or better)  
BIOL 221 (4) Human Anatomy & Physiology I (Prereq. BIOL 111 with C or better; **OR** CHEM 105 with C or better; **OR** high school chemistry within past 5 years with C or better)  
BIOL 222 (4) Human Anatomy & Physiology II (Prereq. BIOL 221)  
CHEM 203 (5) Organic Chemistry I (Prereq. CHEM 130 with C or better)  
CHEM 204 (5) Organic Chemistry II (Prereq. CHEM 203)

Other suggested courses which satisfy the PSC AS degree requirements may include electives from transfer courses of 100 level or above such as:

- Any additional general education courses selected from Areas B, C, D, or E
- Any entry level majors course in a transferable major area
- Any foreign language courses\*
- Up to four credits of physical education courses
- Additional courses recommended as transferable by the school(s) to which you plan to transfer.

\***Foreign Language Requirement:** Some universities have a foreign language requirement. Generally, four years of a single foreign language in high school, or four semesters in college, will fulfill this requirement. It is recommended that students complete the entire sequence at one institution.

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## 62 HOURS OF CREDIT REQUIRED FOR AN ASSOCIATE IN SCIENCE DEGREE

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### FOR FURTHER INFORMATION CONTACT:

Counseling and Academic Advising Center                      Room 1190                      (708) 709-3506

### FOR TRANSFER INFORMATION:

u.select, formerly known as Course Applicability System (CAS): [www.transfer.org/uselect/](http://www.transfer.org/uselect/)  
Illinois Articulation Initiative (IAI): [www.iTransfer.org](http://www.iTransfer.org)  
Links to Articulation Tables for Illinois Colleges: <http://www.itransfer.org/IAI/Other/Articulationlinks.taf>  
Visit the web sites of colleges and universities to which you plan to transfer.  
To search for accredited programs: <http://www.naacls.org/search/programs.asp>

### FOR CAREER INFORMATION:

*Occupational Outlook Handbook*, U.S. Department of Labor: <http://www.bls.gov/oco/home.htm>  
American Society for Clinical Laboratory Science: [www.ascls.org](http://www.ascls.org)  
American Society for Clinical Pathology: [www.ascp.org](http://www.ascp.org)  
National Accrediting Agency for Clinical Laboratory Sciences: [www.naacls.org](http://www.naacls.org)