

## Pre-DENTISTRY MAJORS (Suggested Associate in Science Degree Curriculum)

This worksheet has been designed to help students select courses which are likely to apply to a major in **pre-DENTISTRY**. These suggested courses 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.

### ACADEMIC PREPARATION

This program provides the foundation course work in biology, chemistry, and mathematics for students who plan to apply to dental school. The pre-professional education requirement for admission to most dental schools stipulates completion of at least 60 credits of liberal arts study; however, 90 credits is preferred. The reality is that most first year dental students have received a baccalaureate degree prior to dental school enrollment. There are certain basic pre-dental education courses that must be completed prior to enrollment in dental school. Applicants should contact the school(s) of their choice to determine specific admission requirements. The Council on Dental Education and Licensure supports the acquisition of a baccalaureate degree prior to dental school enrollment. **Admission to dental school is very competitive** and it is important for the student to focus on maintaining a high overall grade point average, as well as excelling in the laboratory science courses. This course work also helps to prepare the student to take the Dental Admissions Test (DAT) which is required as part of the admissions screening process. The DAT covers four tests: Survey of the Natural Sciences (biology, and general & organic chemistry); Perceptual Ability, Reading Comprehension and Quantitative Reasoning.

### 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 (41 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, C or better)
COMM 101(3)	[C2 900]	Principles of Communication (Prereq. Placement in ENG 099 or above)

*\*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 (5 credits)

MATH 171 (5) [M1 900-1]	Calculus with Analytic Geometry I (Prereq. MATH 165 with C or better or qualifying score on Math Placement Test)
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##### Area D: Physical and Life Sciences (9 credits)

Select one life science and one physical science course. Once course must have a lab component. Refer to the Associate in Science Degree Worksheet, Area D, for a listing of approved course choices.

BIOL 112 (4) [L1 900L]	Organismal Biology (Prereq. High school biology or equivalent; placement in ENG 099 or above)
CHEM 110 (5) [P1 902L]	General Chemistry (Prereq. MATH 095 with C or better or placement in MATH 151 AND 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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## PRE-DENTISTRY MAJOR COURSE RECOMMENDATIONS (21 credits)

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

**Select 21 credits from the “suggested” pre-requisite course recommendations listed below:**

(Be aware that because of differences among schools in the number of credits for which various courses are offered, and the possible need for prerequisite courses, it may be difficult to complete an Associate in Science degree without taking more credits than will be accepted in transfer).

### Suggested pre-Dentistry Core courses often include:

- BIOL 111 (4) Cellular and Molecular Biology (Prereq. High school biology or BIOL 100; placement in ENG 099 or above)
  - CHEM 130 (5) General Chemistry II (Prereq. CHEM 110 with C or better)
  - CHEM 203 (5) Organic Chemistry I (Prereq. CHEM 130 with C or better)
  - PHYSI 120 (4)\* College Physics I (Prereq. MATH 151 or equivalent)
  - PHYSI 130 (4)\* College Physics II (Prereq. PHYSI 120 or equivalent)
- \*PHYSI 210 & 220 can usually be substituted for PHYSI 120 & 130.

### Other suggested pre-dentistry 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 204 (5) Organic Chemistry II (Prereq. CHEM 203 with C or better)

### Other suggested courses which satisfy the PSC AS degree requirements may include electives 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 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 CREDITS REQUIRED FOR AN ASSOCIATE IN SCIENCE DEGREE

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### FOR FURTHER INFORMATION CONTACT:

Counseling & Advising Center Room 1190 (708) 709-3506

### FOR TRANSFER INFORMATION:

u.select, formerly known as Course Applicability System (CAS): [www.transfer.org](http://www.transfer.org)

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.

### FOR PRE-DENTISTRY INFORMATION:

American Dental Education Association at: [www.asdanet.org](http://www.asdanet.org)

American Dental Association at: [www.ada.org](http://www.ada.org)

American Student Dental Association at: [www.asdanet.org](http://www.asdanet.org)

Dental Admission Testing (DAT): [www.ada.org](http://www.ada.org)

ASDA Handbook: A Resource Guide for Pre-dental Students

Barron's Guide to Medical & Dental Schools by Saul Wischnitzer

How to Get into the Right Dental School by Carla Rogers

Official Guide to Dental Schools by American Dental Education Association

Opportunities for Minority Students in U.S. Dental Schools by American Dental Educ. Assoc.

### ACCREDITED DENTAL SCHOOLS IN ILLINOIS:

Southern Illinois University Edwardsville: <http://www.siu.edu/dentalmedicine>

University of Illinois at Chicago College of Dentistry: <http://dentistry.uic.edu>

Dental schools in other states: [http://www.ada.org/prof/ed/programs/search\\_ddsdmd\\_us.asp](http://www.ada.org/prof/ed/programs/search_ddsdmd_us.asp)