Computer-Aided Drafting and Design
(Certificate of Achievement - 16 Units)

Dear Architecture student,

This handout has been designed to <u>clarify the path</u> to success. The Certificate of Achievement in this field consists of two semesters of study starting in the fall of any year. You will enter the path in your first semester by taking the two Introduction to AutoCAD classes: "2D Computer Aided Drafting" and "3-D Computer Aided Drafting." Thus familiarizing you with the basics of computer-aided drafting and design; utilizing the most used software in the industry. These courses are the foundation for the advanced computer-aided drafting and design classes taken during the second semester.

In your second semester, you will <u>stay the path</u> by taking two advanced computer-aided drafting and design classes. This includes two Building Information Modeling programs: "AutoCAD Architecture" and "Revit Architecture" as well as the leading computer-aided engineering program, "SolidWorks." After <u>completing the path</u>, you will be knowledgeable about the computer programs utilized in industry.

NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
ARCH 123 (4 units)	Introduction to 2D Computer Aided Drafting	Fall and Spring
ARCH 213 (4 units)	Introduction to 3-D Computer Aided Drafting	Fall
8 Units	**2 Classes**	

CONTINUING STUDENTS SECOND SEMESTER (SPRING) – CHOOSE TWO OF THE FOLLOWING

Course	Course Name	Semester Offered
ARCH 221 (4 units)	AutoCAD Architecture	Spring
ARCH 223 (4 units)	Revit Architecture [1]	Fall and Spring
ENGT 259 (4 units)	SolidWorks Introduction [1,2]	Fall and Spring
8 Units	**2 Classes**	

Notes
[1] = Classes are usually offered during the evening
[2] = Classes are offered as "Credit By Exam"

Architecture Technology

For more information on Certificates, please refer to the current General Catalog: www.cerritos.edu/catalog

Dear Architecture student,

This handout has been designed to clarify the path to success. The Certificate of Achievement in this field consists of three semesters of study starting in the fall of any year. You will enter the path in your first semester by taking the Introductory Architecture classes: "Architectural Drafting and Design I" and "Architectural Theory I." These courses provide the foundation for architectural drafting and design principles.

In the second semester, you will stay the path by taking the "Introduction to 2D Computer Aided Drafting" class along with the "Introduction to Architecture and Environmental Design" class. You will complete the path by taking the "History of Architecture" class. These classes provide a well-rounded introduction to the architectural profession. After completing the path, you will be knowledgeable about the fundamentals of architectural practice utilized in the industry.

NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
ARCH 111 (3 units)	Architectural Drafting and Design I	Fall and Spring
ARCH 212 (3 units)	Architectural Design Theory I	Fall
6 Units	**2 Classes**	

CONTINUING STUDENTS SECOND SEMESTER (SPRING)

Course	Course Name	Semester Offered
ARCH 110 (3 units)	Introduction to Architecture and Environmental Design	Fall and Spring
ARCH 123 (4 units)	Introduction to 2D Computer Aided Drafting	Fall and Spring
7 Units	**2 Classes**	

CONTINUING STUDENTS THIRD SEMESTER (SUMMER)

Course	Course Name	Semester Offered
ARCH 112 (3 units)	History of Architecture	Fall, Spring, and Summer
3 Units	**1 Class**	

Architecture Technology

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Dear Architecture student,

This handout has been designed to clarify the path to success. The Certificate of Achievement in this field consists of two semesters of study starting in the fall of any year. You will enter the path in your first semester by taking the Introductory Architecture classes: "Architectural Drafting and Design I" and "Architectural Theory I." These courses provide the foundation for architectural drafting and design principles.

In the second semester, you will stay the path by taking the advanced architectural drafting classes: "Architectural Drafting and Design II" and "Architectural Delineation." You will also take the advanced architectural design class, "Architectural Design Theory II." These classes will further your understanding of architectural drafting and design principles. After completing the path, you will have the technical skills in drafting and design. You will be knowledgeable about the techniques utilized in the industry.

NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
ARCH 111 (3 units)	Architectural Drafting and Design I	Fall and Spring
ARCH 212 (3 units)	Architectural Design Theory I	Fall
6 Units	**2 Classes**	

CONTINUING STUDENTS SECOND SEMESTER (SPRING)

Course	Course Name	Semester Offered
ARCH 121 (3 units)	Architectural Drafting and Design II	Spring
ARCH 122 (2 units)	Architectural Delineation	Spring
ARCH 222 (3 units)	Architectural Design Theory II	Spring
8 Units	**3 Classes**	

Architecture Technology

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Architectural Technology
(Certificate of Achievement - 34 Units)

Dear Architecture student,

This handout has been designed to clarify the <u>path to success</u>. The Certificate of Achievement in this field consists of three semesters of study starting in the fall of any year. You will enter the path in your first semester by taking the Introductory Architecture classes: "Architectural Drafting and Design I," "History of Architecture," "Building Codes," and either "Introduction to Architecture and Environmental Design" or "Green Architecture and LEED."

In the second semester, you will <u>stay the path</u> by taking the: "Freehand Drawing", "Architectural Drafting and Design II", and "Introduction to 2D Computer Aided Drafting" classes. These courses provide the foundation for the advanced architectural classes you will take during the third semester: "Architectural Design Theory I," "Introduction to 3-D Computer Aided Drafting," and either "AutoCAD Architecture" or "Revit Architecture." After <u>completing the path</u>, you will have the technical skills required to succeed in the profession and to potentially continue your studies at a professional school of Architecture. You can also obtain the Associate of Arts degree upon completion of your general education course requirements.

ASSOCIATE OF ARTS DEGREE IS ALSO AVAILABLE

NEW STUDENTS FIRST SEMESTER (FALL)

Course	Course Name	Semester Offered
ARCH 110 (3 units) *OR* ARCH 114 (3 units)	Introduction to Architecture and Environmental Design Green Architecture and LEED [1]	Fall and Spring Fall and Spring
ARCH 111 (3 units)	Architectural Drafting and Design I	Fall and Spring
ARCH 112 (3 units)	History of Architecture	Fall and Spring
ARCH 113 (4 units)	Building Codes	Fall and Spring
13 Units	**4 Classes**	

CONTINUING STUDENTS SECOND SEMESTER (SPRING)

Course	Course Name	Semester Offered
ART 110 (3 units)	Freehand Drawing	Fall and Spring
ARCH 121 (3 units)	Architectural Drafting and Design II	Spring
ARCH 123 (4 units)	Introduction to 2D Computer Aided Drafting	Fall and Spring
10 Units	**3 Classes**	

CONTINUING STUDENTS THIRD SEMESTER (FALL)

Course	Course Name	Semester Offered
ARCH 212 (3 units)	Architectural Design Theory I	Fall
ARCH 213 (4 units)	Introduction to 3-D Computer Aided Drafting	Fall
ARCH 221 (4 units) *OR* ARCH 223 (4 Units)	AutoCAD Architecture Revit Architecture [1]	Spring Fall and Spring
11 Units	**3 Classes**	

Notes: [1] = Classes are usually offered during evening

Architecture Technology

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