

Sample Academic Plan: Building Industries- Drafting Architectural/Civil

AA/AS Degree

Catalog: 22-23

GE Pattern: Sierra College

Full Time, Total Units: 60

NOTE: This program roadmap represents one possible pathway to complete the program. Please see a counselor to create an academic plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call (916) 660-7400.

First Year

Semester 1 (14 units)

Course Number	Course Title	Units	Area
BI 0010	Architectural Drawing I	3 units	Major
MATH 0012	College Algebra	4 units	SC Area D2/LS 4
ENGL 0001A	College Read/Write/Research	4 units	SC Area D1/LS 1 & 2
	Elective	3 units	Elective

Semester 2 (16 units)

Course Number	Course Title	Units	Area
BI 0011	Architectural Drawing II	3 units	Major
BI 0024	Fundamentals of Const Documenting Estimating	3 units	Major
	General Education	3 units	SC Area B/LS 3
	General Education	4 units	SC Area A
	Elective	3 units	Elective

Second Year

Semester 3 (15 units)

Course Number	Course Title	Units	Area
BI 0008	Civil Applications of Computer Aided Design	3 units	Major
BI 0012	Architectural Drawing III – BIM	3 units	Major
	General Education	3 units	SC Area C
	General Education	3 units	SC Area F
	Elective	3 units	Elective

Semester 4 (15 units)

Course Number	Course Title	Units	Area
BI 0015	Managing the Computer Aided Design Env.	3 units	Major
BI 0022	Introduction to Energy Efficiency Construction	3 units	Major
BI 0095	Internship in Building Industries	1 unit	Major
	General Education	3 units	SC Area E
	Elective	5 units	Elective