



MATH, SCIENCE & ENGINEERING DIVISION
 MS3 BUILDING
 Room SA-212
 (408) 270-6490

STUDENT SUCCESS CENTER
 STUDENT SERVICES BUILDING ROOM
 ROOM SC-250
 (408) 270-6475

CERTIFICATE OF ACHIEVEMENT

2018-2019

BUILDING INFORMATION MODELING (BIM)

The BIM Program will offer students the opportunity to develop the skills necessary to be BIM Specialists and consultants in the construction industry in both the public and private sectors. This program will acquaint students with the various BIM software and technologies that are being used throughout the construction industry. Certificates will be awarded to those who complete all of the units with a "C" or better.

Program Learning Outcomes:

- Demonstrate their ability to use various types of BIM software (i.e. Revit, Navisworks)
- Execute project delivery and coordination of construction projects
- Utilize communication and workflow to complete projects efficiently
- Identify conflict detection in building designs through 3-D visualization techniques
- Demonstrate the ability to reduce construction costs and eliminate fabrication waste
- Work collaboratively with construction teams and subcontractors
- Identify the crucial factors impacting the construction/building industry in the 21st century
- Compare and contrast the workflow changes of the 20th and 21st century construction industry

BIM	120	Construction Means, Methods, and Materials	3.0
BIM	121	Virtual Design and Construction Workflow	3.0
CIT	010	Computer and Information Technology	3.0
BIM	122	Managing Construction Coordination Meetings	3.0
BIM	123	Revit Fundamentals	3.0
BIM	124	Revit Advanced Training	3.0
BIM	125	Planning and Managing Construction Projects with 4D CAD	3.0
BIM	138	BIM Work Experience	3.0
Total units			24.0