

College of Architecture and Urban Studies  
**Bachelor of Science**  
**Major: Building Construction**  
**Option 2: Development, Real Estate, and Construction**  
 Curriculum requirements for graduation calendar year 2016

**Development, Real Estate, and Construction Option – First + Second Years**

<u>Courses</u>	<u>Fall Semester</u>		<u>Spring Semester</u>	
<b>FIRST YEAR (31 Semester Credits)</b>	<u>Hours</u>	<u>Credits</u>	<u>Hours</u>	<u>Credits</u>
<b><u>Fall Semester</u></b>				
BC 1214 Intro. to Building Construction	(5)	3		
** ENGL 1105 Freshman English (Area 1)	(3)	3		
ACIS 2004 Survey of Accounting	(3)	3		
MATH 1114 Elementary Linear Algebra	(2)	2		
** MATH 1205 Calculus (Area 5)	(3)	3		
** Curriculum for Liberal Education (Area 6)		1		
		<b><u>15</u></b>		
<b><u>Spring Semester</u></b>				
BC 1224 Intro. to Building Construction & Lab			(5)	3
BC 2114 IT in Design + Construction			(4)	2
** ENGL 1106 Freshman English (Area 1)			(3)	3
** MATH 1206 Calculus (Area 5)			(3)	3
MATH 1224 Vector Geometry			(2)	2
** ECON 2005 Principles of Economics (Area 3)			(3)	3
				<b><u>16</u></b>
<b>SECOND YEAR (35 Semester Credits)</b>	<u>Hours</u>	<u>Credits</u>	<u>Hours</u>	<u>Credits</u>
<b><u>Fall Semester</u></b>				
BC 2014 Construction Principles I	(5)	3		
CEE 2814 Measurements	(6)	4		
ESM 2104 Statics	(3)	3		
MATH 2224 Multivariable Calculus	(3)	3		
** PHYS 2305 Foundations of Physics I + Lab (Area 4)	(6)	4		
		<b><u>17</u></b>		
<b><u>Spring Semester</u></b>				
BC 2024 Construction Principles II			(3)	3
BC 2064 Construction Principles Lab			(3)	2
BC 2044 Building and Materials			(5)	3
ESM 2204 Mechanics of Deformable Bodies			(3)	3
** ECON 2006 Principles of Economics (Area 3)			(3)	3
** PHYS 2306 Foundations of Physics I + Lab (Area 4)			(6)	4
				<b><u>18</u></b>

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**Development, Real Estate, and Construction Option – Third + Fourth Years**

<u>Courses</u>	<u>Fall Semester</u>		<u>Spring Semester</u>	
<b>THIRD YEAR (36 Semester Credits)</b>	<u>Hours</u>	<u>Credits</u>	<u>Hours</u>	<u>Credits</u>
<b><u>Fall Semester</u></b>				
BC 4004 Building Systems Technology I	(5)	4		
** BC 3115 Building Cultures (Area 2)	(3)	3		
ENGL 3764 Technical Writing	(3)	3		
AAEC 4754 Real Estate Law	(3)	3		
GEOS 2104 Elements of Geology + Lab	(5)	3		
ISE 2014 Engineering Economy	(2)	2		
		<b>18</b>		
<b><u>Spring Semester</u></b>				
BC 4014 Building Systems Technology II			(5)	3
BC 3064 Building Systems Technology Lab			(3)	2
BC 3124 Housing and Land Development			(3)	3
** BC 3116 Building Cultures (Area 2)			(3)	3
FIN 3055 Legal Environment of Business			(3)	3
UAP 4744 Principles of Real Estate			(4)	4
				<b>18</b>
<b>FOURTH YEAR (32 Semester Credits)</b>	<u>Hours</u>	<u>Credits</u>	<u>Hours</u>	<u>Credits</u>
<b><u>Fall Semester</u></b>				
BC 4434 Construction Practice I	(3)	3		
BC 4164 Process Planning & Design	(3)	3		
CEE 3514 Intro. To Geo-technical Eng.	(3)	3		
COMM 2004 Public Speaking	(3)	3		
Elective (Directed BC Elective)	(3)	3		
Elective		2		
		<b>17</b>		
<b><u>Spring Semester</u></b>				
BC 4444 Construction Practice II			(6)	4
BC 4064 Construction Practice Lab			(3)	2
AAEC 4764 Real Estate Appraisal			(3)	3
MKTG 4734 Real Estate Marketing			(3)	3
** Curriculum for Liberal Education (Area 7)			(3)	3
				<b>15</b>

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**134 credits required for a Bachelor of Science in Building Construction**

**NOTES:**

1. \*\* Satisfies University Curriculum for Liberal Education requirement
2. All students must meet the University requirements for satisfactory progress toward their degree.
3. All courses designated BC are used to calculate in-major GPA. All students must meet in-major GPA minimum of 2.0.
4. A sequence of (2) foreign language courses are required for graduation unless (2) high school credits of the same foreign language or (6) transfer credit hours of a foreign language have been earned.
5. **Substitutions:** ESM 3054/3064 or CEE 3684 can be taken as a substitute for BC 2044.
6. **5 credits of electives are included in the 134 credits required** – they are to be selected as follows:
  - 3 CH - Directed BC Elective--to be selected in collaboration with your BC advisor.  
Two summer internships (3 CH total) may be used as a BC directed elective.
  - 2 CH – Free Electives
7. **To gain access to certain courses in this Option, students must be admitted as a Real Estate Minor within the Pamplin College of Business.**
8. **If courses are taken in the order presented on this checksheet all prerequisites will be satisfied.**  
There are no hidden prerequisites on these checksheets
9. All students must maintain a minimum overall GPA of 2.0 for graduation.