Concentration in Built Environment (BE)

- **Description**: Bridges building technology, architecture and landscape, and provides technical language skills for understanding environmental design and planning at the building scale, bridging building technology, architecture and landscape.
- **Career path**: Students can go on to a wide range of design and technology positions or graduate studies in Architecture or related fields. This concentration works well for students interested in the accelerated 2-year Master of Landscape Architecture, with the addition of 500-level LandArch studios in the senior year.
- **Format**: Choose four (4) concentration required courses and two (2) from the approved courses list. The availability of approved courses vary from semester to semester; additional classes may be used with prior approval of the Program Director. Approved BCT and architecture classes can count toward this concentration.

### BE Concentration Required Courses

<table>
<thead>
<tr>
<th>COURSE NO</th>
<th>NAME</th>
<th>CREDITS</th>
<th>TERM</th>
<th>TYPICAL TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>SustComm 115</td>
<td>Intro to Environmental Design</td>
<td>3</td>
<td>Spring</td>
<td>TBI</td>
</tr>
<tr>
<td>SustComm 205</td>
<td>Dynamics of Human Habitation</td>
<td>4</td>
<td>Fall</td>
<td>TuTh 8:30-9:45</td>
</tr>
<tr>
<td>SustComm 297L</td>
<td>Visual Communication: Design Principles and Digital Skills</td>
<td>3</td>
<td>Fall</td>
<td>TuTh 10:00-11:15</td>
</tr>
<tr>
<td>SustComm 597A</td>
<td>Digital Tech for Design Representation</td>
<td>3</td>
<td>Spring</td>
<td>TuTh 1:00-2:15</td>
</tr>
<tr>
<td>LandArch 587</td>
<td>People and the Environment</td>
<td>3</td>
<td>Fall</td>
<td>TuTh 11:30-12:45</td>
</tr>
<tr>
<td>LandArch 592M</td>
<td>Material Experiments</td>
<td>3</td>
<td>Spring</td>
<td>TuTh 10:00-11:15</td>
</tr>
</tbody>
</table>

### Sample BE Concentration Approved Courses

Classes offered change from year to year; check SPIRE for updates.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TYPICAL TERM</th>
<th>TYPICAL TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 211 The City</td>
<td>Spring</td>
<td>MWF 9:05-9:55</td>
</tr>
<tr>
<td>ARCH 597GS Great Spaces</td>
<td>Spring</td>
<td>MW 9:05-10:20</td>
</tr>
<tr>
<td>ARCH 597K Design for Climate Change</td>
<td>Spring</td>
<td>MoWe 5:15-6:45</td>
</tr>
<tr>
<td>ARCH Design Studios (Permission of instructor required)</td>
<td>Spring + Fall</td>
<td>Various - Check SPIRE</td>
</tr>
<tr>
<td>ART 104 Basic Studio/Drawing</td>
<td>Spring + Fall</td>
<td>Various - Check SPIRE</td>
</tr>
<tr>
<td>ART-HIST 307 Romanesque &amp; Gothic Art</td>
<td>Spring</td>
<td>TuTh 10:00-11:15</td>
</tr>
<tr>
<td>ART-HIST 324 Modern Art, 1880-present</td>
<td>Fall</td>
<td>TuTh 11:30-12:45</td>
</tr>
<tr>
<td>ART-HIST 342 19th C. Arch: Reform, History, Technology</td>
<td>Fall</td>
<td>MoWe 4:00-5:15</td>
</tr>
<tr>
<td>ART-HIST 343 Twentieth Century Architecture P</td>
<td>Spring</td>
<td>MW 4:00-5:15</td>
</tr>
<tr>
<td>BCT 204 Construction Materials &amp; Methods (sec 2 only)</td>
<td>Spring</td>
<td>TuTh 2:30-3:45</td>
</tr>
<tr>
<td>BCT 313 Light-Frame Structure Technology</td>
<td>Fall</td>
<td>MoWe 9:05-11:00</td>
</tr>
<tr>
<td>BCT 525 Solar Energy System and Building Design</td>
<td>Fall</td>
<td>TuTh 2:30-3:45</td>
</tr>
<tr>
<td>BCT 530 Mechanics of Building Materials for Construction PR</td>
<td>Spring</td>
<td>TuTh 1:00-2:15</td>
</tr>
<tr>
<td>BCT 550 Construction Project Management PR</td>
<td>Spring</td>
<td>MW 2:30-3:45</td>
</tr>
<tr>
<td>BCT 597D Sustainable Building &amp; LEED Certification PR</td>
<td>Spring</td>
<td>M 5:30-7:00</td>
</tr>
<tr>
<td>BCT 597R Clean Energy Corps PR</td>
<td>Spring</td>
<td>W 1:25-5:15</td>
</tr>
<tr>
<td>CE 310 Transportation PR</td>
<td>Fall</td>
<td>TuTh 8:30-9:45</td>
</tr>
<tr>
<td>GEOGRAPH 102 Div, Glob, Sust: Intro to Human Geography</td>
<td>Fall</td>
<td>MoWeFr 11:15-12:05 &amp; Mo 12:20-1:10</td>
</tr>
<tr>
<td>GEOGRAPH 370 Urban Geography</td>
<td>Fall</td>
<td>MoWeFr 10:10-11:00</td>
</tr>
<tr>
<td>Course Name</td>
<td>Semester</td>
<td>Days</td>
</tr>
<tr>
<td>-----------------------------------------------------------------</td>
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<tr>
<td>LANDARCH 294A Construction Materials</td>
<td>Spring</td>
<td>TuTh</td>
</tr>
<tr>
<td>LANDARCH 297A + 297B Studio 1 + Studio 2</td>
<td>Fall</td>
<td>MoWeFr</td>
</tr>
<tr>
<td>LANDARCH 297M Business Concepts of Landscape Contracting</td>
<td>Spring</td>
<td>TuTh</td>
</tr>
<tr>
<td>LANDARCH 582 Landscape and Green Urbanism</td>
<td>Spring</td>
<td>Th</td>
</tr>
<tr>
<td>LANDARCH 592M Material Experiments in LandArch PR</td>
<td>Spring</td>
<td>TuTh</td>
</tr>
<tr>
<td>MATH 127 Calculus - Life + Social Sciences II PR</td>
<td>Fall + Spring + Online</td>
<td>Multiple sections</td>
</tr>
<tr>
<td>MATH 128 Calculus - Life + Social Sciences II PR</td>
<td>Fall + Spring</td>
<td>Multiple sections</td>
</tr>
<tr>
<td>MATH 132 Calculus II</td>
<td>Fall + Spring + Online</td>
<td>Multiple sections</td>
</tr>
<tr>
<td>NRC 185 Sust. Living: Solutions for the 21st Century</td>
<td>Fall</td>
<td>TuTh</td>
</tr>
<tr>
<td>PHYSICS 100 Conceptual Physics</td>
<td>Spring</td>
<td>MW</td>
</tr>
<tr>
<td>PSYCH 360 Social Psychology P</td>
<td>Spring</td>
<td>TuTh</td>
</tr>
<tr>
<td>REGIONPL 577 Urban Policies</td>
<td>Fall</td>
<td>TuTh</td>
</tr>
<tr>
<td>REGIONPL 591I Sustaining Green Infrastructure Planning &amp; Design</td>
<td>Fall</td>
<td>TuTh</td>
</tr>
<tr>
<td>RES-ECON 262 Environmental Econ</td>
<td>Spring</td>
<td>TuTh</td>
</tr>
<tr>
<td>SOCIOL 360 Urban Sociology P</td>
<td>Spring</td>
<td>TuTh</td>
</tr>
<tr>
<td>SUSTCOMM 397P Planning Tools and Techniques</td>
<td>Fall</td>
<td>MoWe</td>
</tr>
<tr>
<td>SUSTCOMM 591G Urban Greening Theory and Practice</td>
<td>Fall</td>
<td>Tu</td>
</tr>
</tbody>
</table>

PR Prerequisites or restrictions apply. Check SPIRE.

Note:
- 500-level classes and above (graduate-level) may be restricted to Juniors and Seniors. Check with instructor.
- Only two 100-level courses can count toward concentration requirements.
- All classes must be completed with a grade of C- or better.