

Graduate Certificate in Sustainable Building Construction Requirements Checklist

UMassAmherst

Building and Construction
Technology

| | | |
|-------------|-----------|----------------|
| Name | ID | Started |
|-------------|-----------|----------------|

| Number | Title | Credits | Semester | Mode | Done? |
|---|--|---------|----------|------|-------|
| Core Course | | | | | |
| ECO 692S | Readings in Sustainable Building Systems | 3 | | | |
| Core Electives (at least 2 courses) | | | | | |
| BCT 520 | Energy and Buildings | 3 | | | |
| BCT 540 | Design of Wood Structures | 3 | | | |
| BCT 597BE | Introduction to Building Energy Modeling | 3 | | | |
| BCT 597Q | High Performance Building: Issues and Perspectives | 3 | | | |
| BCT 597W | Understanding Wood and Wood Products | 3 | | | |
| ECO 697DL | Sustainable Building and LEED Certification | 3 | | | |
| Electives (at least 2 courses) | | | | | |
| BCT 521 | Environmental Control Systems and Lab | 4 | | | |
| BCT 525 | Solar Energy Systems & Building Design | 3 | | | |
| BCT 550 | Construction Scheduling and Project Control | 3 | | | |
| ECO 692C | Sustainable Buildings Seminar (can be taken twice) | 1.5 | | | |
| BCT 597N | Legal Aspects of Architecture, Engineering, and the Construction Process | 3 | | | |
| ECO 620 | Studies in Building Information Modeling | 3 | | | |
| <i>Any core course not taken as core requirement:</i> | | | | | |
| | | | | | |
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Total credits:

Rules (as of 12/11/2020):

- Total credits required: 15. The entire certificate (all 15 cr.) can be counted towards the MS in Sustainable Building Systems (30 cr. total) in ECO.
- Courses can be taken as a non-degree (i.e. through UWW) or a graduate student (in any program). Max. three “University” session courses can be counted towards this certificate, all others must be UWW.
- No course substitutions are possible. Undergrad courses can’t count towards this certificate.