

INTEGRATIVE DESIGN OF BUILDING ENVELOPE, GCRT

Requirements for Students Matriculating in or before Academic Year 2021-2022. Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

Total Hours: 12

| Code | Title | Hours |
|------------------------------------|---|-----------|
| Degree Core | | |
| ARCH 5003 | Integrative Design | 3 |
| Hours Subtotal | | 3 |
| Electives | | |
| Select 9 hours of the following: | | 9 |
| ARCH 5023 | Masonry Design and Analysis | |
| ARCH 5093 | Real Estate Development | |
| ARCH 5100 | Special Topics in Architecture | |
| ARCH 5133 | Advanced Energy Issues in Architecture | |
| ARCH 5263 | Advanced Architecture Technology Seminar | |
| ARCH 5493 | Entrepreneurship and Architecture | |
| ARCH 6243 | Structures: Analysis III | |
| ARCH 6343 | Structures: Steel III | |
| ARCH 6543 | Structures: Concrete III | |
| CIVE 5113 | Construction Business Management | |
| CIVE 5183 | Construction Estimating | |
| CIVE 5193 | BIM for Constructions | |
| CIVE 5273 | Concrete Durability | |
| CIVE 5583 | Advanced Construction Materials | |
| CIVE 5873 | Air Pollution Control Engineering | |
| FSEP 5033 | Risk Analysis | |
| FSEP 5113 | Fire and Explosion Hazard Recognition | |
| FSEP 5133 | Principles of Industrial and Process Safety | |
| FSEP 5143 | Structural Design for Fire and Life Safety | |
| FSEP 5163 | Building Electrical Systems | |
| FRNS 5103 | The Chemistry of Pyrotechnics | |
| FRNS 5112 | | |
| FRNS 5123 | Fire Dynamics in Forensic Investigations | |
| MSE 5013 | Advanced Thermodynamics of Materials | |
| MSE 5023 | Diffusion and Kinetics | |
| MSE 5033 | Composite Materials | |
| MSE 5053 | Smart Materials | |
| MSE 5093 | Fundamentals of Materials Science | |
| MSE 5174 | Fundamentals of Photovoltaics | |
| MSE 5223 | Additive Manufacturing: Materials, Methods and Applications | |
| Other courses approved by advisor. | | |
| Hours Subtotal | | 9 |
| Total Hours | | 12 |

Graduate College Certificate Requirements

Learn more about Graduate College 2021-2022 Graduate Certificate Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.