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|----------|--|--------------------|--|----------------------|--|
| Student: | | ID#: | | Email: | |
| Advisor: | | Starting Semester: | | Expected Graduation: | |

4-Year Curriculum: 141 Credit Hours Total

| Freshman Year - Fall Semester | | | | |
|-------------------------------|--|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 120 | Drafting and Drawing | 1 | | |
| ARE 120 S | Drafting and Drawing Studio | 2 | | |
| COE 100 | Student Orientation and Academic Success | 1 | | |
| CHM 101 | General Chemistry I | 3 | | |
| CHM 101 L | General Chemistry I Lab | 1 | | |
| MAT 101 | Calculus I | 3 | | |
| PHU 103 | Physics I | 3 | | |
| PHU 103 L | Physics I Lab | 1 | | |
| ENG 101 | University Writing | 3 | | |
| Total | | 18 | | |

| Freshman Year - Spring Semester | | | | |
|---------------------------------|--------------------------------------|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 110 | Architectural History and Theories | 3 | | |
| ARC 101 | Architectural Design Studio (FORMS) | 4 | | |
| ME 201 | Material Science and Engineering | 3 | | |
| ME 201 L | Material Science and Engineering Lab | 1 | | |
| MAT 112 | Calculus II | 3 | | |
| PHU 124 | Physics II | 3 | | |
| PHU 124 L | Physics II Lab | 1 | | |
| Total | | 18 | | |

| Sophomore Year - Fall Semester | | | | |
|--------------------------------|--|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARC 202 | Architectural Design Studio (SPACES I) | 4 | | |
| ARE 231 | Building Materials and Construction Technology | 3 | | |
| ARE 231 L | Building Materials and Construction Technology Lab | 1 | | |
| EE 207 | Foundations of Electrical Engineering | 3 | | |
| EE 207 L | Foundations of Electrical Engineering Lab | 1 | | |
| ME 203 | Applied Mechanics I: Statics | 3 | | |
| ARE 232 | Building Construction | 3 | | |
| Total | | 18 | | |

| Sophomore Year - Spring Semester | | | | |
|----------------------------------|--|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 220 | Construction Drawing (CAD) | 2 | | |
| ARE 220 S | Construction Drawing (CAD) Studio | 2 | | |
| ARE 297 | Architecture and Buildings | 3 | | |
| ME 206 | Thermal Fluids Engineering I | 3 | | |
| ME 206 L | Thermal Fluids Engineering I Lab | 1 | | |
| AI 102 | AI for Everyone: Foundation and Applications | 3 | | |
| SE 100 | Programming for Engineers | 3 | | |
| SE 100 L | Programming for Engineers Lab | 1 | | |
| Total | | 18 | | |

| Junior Year - Fall Semester | | | | |
|-----------------------------|--|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 355 | Quantity Surveying | 3 | | |
| ARE 341 | The Built Environment | 3 | | |
| ME 407 | Heating, Ventilation, and Air-Conditioning | 3 | | |
| GRE ___ | University Requirement | 3 | | |
| MAT 211 | Calculus III | 3 | | |
| ARE 309 | Project Management and Economics | 3 | | |
| Total | | 18 | | |

| Junior Year - Spring Semester | | | | |
|-------------------------------|--|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 315 | Electrical and Lighting Systems in Buildings | 3 | | |
| ARE 321 | Structural Mechanics | 3 | | |
| ARE 321 L | Structural Mechanics Lab | 1 | | |
| ARE 332 | Building Services Engineering | 3 | | |
| ARE 332 L | Building Services Engineering Lab | 1 | | |
| ENG 222 | Technical Writing | 3 | | |
| MAT 212 | Linear Algebra | 3 | | |
| Total | | 17 | | |

| Junior Year - Summer Semester | | | | |
|-------------------------------|---|----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 390 | Architectural Engineering Summer Internship | 0 | | |
| Total | | 0 | | |

| Senior Year - Fall Semester | | | | |
|-----------------------------|--|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 405 | Structural Analysis | 3 | | |
| ARE 410 | Contracts and Liabilities for Buildings and Construction | 3 | | |
| ARE 4 __ | Technical Elective | 3 | | |
| ARE 4 __ | Technical Elective | 3 | | |
| ARE 491 | Architectural Engineering Capstone Project I | 3 | | |
| MAT 213 | Differential Equations | 3 | | |
| Total | | 18 | | |

| Senior Year - Spring Semester | | | | |
|-------------------------------|---|-----------|----------------|-----------------|
| Course Code | Course-Title | CRHs | Semester Taken | Retake/Transfer |
| ARE 499 | Ethics and Professional Development | 1 | | |
| ARE 406 | Fundamentals of Reinforced Concrete Design | 3 | | |
| ARE 492 | Architectural Engineering Capstone Project II | 3 | | |
| ARE 4 __ | Technical Elective | 3 | | |
| MAT 224 | Numerical Methods | 3 | | |
| GRE ___ | University Requirement | 3 | | |
| Total | | 16 | | |

Alfaisal University - Bachelor of Architectural Engineering
Prerequisites Chart (Effective Fall 2026)

