

ARCHITECTURAL ENGINEERING CURRICULUM -- 2015-2016

| FALL | | | Grade | SPRING | | | Grade |
|----------------------|------|------------------------|-------|--------|------|----------------------|-------|
| FRESHMAN YEAR | | | | | | | |
| ARE | 1000 | VISTA Studio I | 2 | ARE | 1600 | Arch Design Studio I | 3 |
| CHEM | 1020 | Gen Chemistry I (PN) | 4 | COJO | 2010 | Pub Speaking (COM2) | 3 |
| ENGL | 1010 | Comp & Rhetoric (COM1) | 3 | ES | 2110 | Statics | 3 |
| | | Freshman Seminar (FYS) | 3 | MATH | 2205 | Calculus II | 4 |
| MATH | 2200 | Calculus I (Q) | 4 | PHYS | 1210 | Engr Physics I (PN) | 4 |
| | | | 16 | | | | 17 |

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|-----------------------|------|-----------------------|----|------|------|----------------------------|----|
| SOPHOMORE YEAR | | | | | | | |
| ARE | 2000 | VISTA Studio II | 3 | ARE | 2410 | Fund of Bldg Performance | 3 |
| ARE | 2600 | Arch Design Studio II | 3 | ES | 2310 | Thermodynamics I | 3 |
| ES | 2120 | Dynamics | 3 | ES | 2330 | Fluid Dynamics | 3 |
| ES | 2410 | Mech of Materials | 3 | GEOL | | Geology 1100, 1500 or 1600 | 4 |
| MATH | 2210 | Calculus III | 4 | STAT | 2050 | Fund of Statistics | 4 |
| | | | 16 | | | | 17 |

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| JUNIOR YEAR | | | | | | | |
| ARE | 3000 | VISTA Studio III | 3 | ARE | 3210 | CE Materials | 3 |
| ARE | 3200 | Structural Analysis I | 3 | ARE | 3XXX | Junior Elective ⁽³⁾ | 3 |
| ARE | 3600 | Arch Design Studio III | 3 | ARE | 4600 | Arch Design Studio IV (COM3) | 3 |
| ARE | 3XXX | Junior Elective ⁽³⁾ | 3 | ARE | | Option Elective ⁽⁴⁾ | 3 |
| ART | 3030 | Arch History (H) | 3 | MATH | 2310 | Applied Differential Eqns I | 3 |
| ES | 2210 | Electric Circuit Anal | 3 | | | | 15 |
| | | | 18 | | | | |

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| SENIOR YEAR | | | | | | | |
| ARE | | Option Elective ⁽⁴⁾ | 3 | ARE | | Capstone Design ⁽⁶⁾ | 3 |
| ARE | | Option Elective ⁽⁴⁾ | 3 | ARE | | Option Elective ⁽⁴⁾ | 3 |
| ARE | | Option Elective ⁽⁴⁾ | 3 | ARE | | ARE General Elective ⁽²⁾ | 3 |
| | | US & Wyo Constitutions (V) | 3 | | | Human Cultures (H) | 3 |
| | | Math/Science Elective ⁽¹⁾ | 3 | | | Major Elective ⁽⁵⁾ | 3 |
| | | | 15 | | | | 15 |

Total Hours: 129

(1) Math/Science Elective: ATSC 2000; CHEM 1030; GEOL 1100, 1500, 1600, 1200, 2000, 2080; LIFE 1010; MATH 2250, 3310, 4230, 4255, 4440; PHYS 1220; STAT 4255

(2) ARE General Electives: ARE Math/Science, Mech and Struct Option Electives, AMST 2400, BUSN 2000, CE 2070, ENR 1000, 2000, ES 4910, ESS 3480, FIN 2010, GEOL 4310, 4330, MGT 1040, 2000, 3210

(3) Junior Electives: ARE 3300, 3400; CE 3600

(4) Option Electives (Structural): ARE 4200, 4250, 4260, 4280, 4290; CE 4610, 4620, 4630, 4970, 5010, 5020, 5200, 5220, 5240, 5260, 5270, 5280, 5600, 5620

Option Electives (Mechanical): ARE 3360, 4330, 4390, 4430, 4490; ME 3040, 3170, 4460, 4470

(5) Major Electives: Additional Option Elective (either option), AMST 4900, 5400, ARE 4030, 4040, 5700, CE 3300, 3400, 3500, 3600, 4820, 4970, 4975, ENR 4600, FCSC 5101, ME 3040, 3170, 4460, 4470

(6) Capstone Design: ARE 4720 or 4740

A minimum of 48 credit hours must be upper division (3000+) level.