

ARCHITECTURAL ENGINEERING 2006-2008 CATALOG DEGREE PLAN

FALL

First Year

SPRING

	1	ARE 102 Intro to Arch. Eng.* (taught fall only)
	3	CH 301 Principles of Chemistry I*
	3	RHE 306 Rhetoric & Writing*
	4	M 408C Differential & Integral Calculus*◆
	3	Approved social science elective _____
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	3	EM 306 Statics*
	4	M 408D Seq., Series, & Multivariable Calculus*◆
	3	GEO 303 Intro to Geology
	3	American government _____
	3	PHY 303K, Engineering Physics I*
	1	PHY 103M, Laboratory for Physics 303K*
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Second Year

	3	Approved architectural history elective# _____
	3	EM 319 Mechanics of Solids*
	3	CE 311K Intro to Computer Methods*
	4	M 427K Advanced Calculus for Applications I*
	3	PHY 303L, Engineering Physics II*
	1	PHY 103N, Laboratory for Physics 303L*
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	2	ARE 217 Computer-Aided Design & Graphics* +
	3	Approved mathematics or science elective _____
	3	E 316K Masterworks of Literature
	3	CE 314K Properties & Behavior of Eng. Matls*
	3	CE 311S Elementary Statistics for Civil Engineers*
	3	American history _____
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Third Year

	3	ARE 320K Intro to Design I** (taught fall only)
	3	American government _____
	3	ME 320 Applied Thermodynamics**
	3	CE 329 Structural Analysis**
	3	CE 319F Elementary Mechanics of Fluids**
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	3	ARE 320L Intro to Design II** + (taught spring only)
	3	ARE 346N Bldg Environmental Systems** +
	3	ARE 335 Matls/Meth of Bldg Constr ** +
	3	CE 333T Engineering Communication**
	3	CE 331 Reinforced Concrete Design** + or
	15	CE 335 Elements of Steel Design** +

Fourth Year

	3	ARE 323K Project Mngmt and Economics**
	3	CE 357 Geotechnical Engineering** +
	3	Approved technical elective** _____
	3	Approved technical elective** _____
	3	Approved technical elective** _____
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	3	ARE 366 Contracts, Liability & Ethics**
	4	ARE 465 Integrated Design Project**
	3	American history _____
	3	Approved technical elective** _____
	3	Approved technical elective** _____
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NOTES AND COMMENTS

*Basic Sequence Courses

**Students interested in the Building Environmental Systems area can take ME 326 instead of ME 320.

**Major Sequence Courses

+ Must be completed before taking ARE 465.

◆ M 408K + M 408L + M 408M = M 408C + M 408D

For architectural engineering majors, this course fulfills the fine arts or humanities elective requirement that is included in all engineering degree plans.

Lists of approved non-technical and technical electives are available in the Departmental Office.

Indicate courses in progress as Courses completed as Show T for approved transfer credit

Foreign Language Deficiency: Y / N

Indicate semester/year courses to be taken F 00 Sp 00 Su 00