

**2007-2008 EARTH AND ENVIRONMENTAL ENGINEERING PROGRAM: FIRST AND SECOND YEARS**

**Sample Curriculum in BOLD**

***EAAE Decision Points***

	SEMESTER I	SEMESTER II	SEMESTER III	SEMESTER IV
MATHEMATICS	<b>MATH V1101 (3)</b> or HON. MATH I (3) or HON. MATH I (3)	<b>MATH V1102 (3)</b> → HON. MATH II (3) → HON. MATH II (3)	<b>MATH V1201 (3)</b> → Lin. Alg.: MATH V2010 (3) → HON. MATH III (4)	<b>APMA E2101 (3)</b> <b>TR 1:10-2:25</b> → ODE: MATH E1210 (3) → HON. MATH IV & ODE
PHYSICS	<b>C1401 (3)</b> or C1601 (3.5) or C2801 (4.5)	<b>C1402 (3)</b> → C1602 (3.5) → C2802 (4.5)	<b>CHEM C3443 (3.5)</b> or <b>PHYS C1403 (3) MW 9:15-10:30</b> or <b>PHYS C2601 (3.5) MW 9:15-10:30</b> or <b>BIOL C2005 (4) TR 10:35-11:50</b>	
CHEMISTRY	<b>C1403 (3.5)</b> and lab <b>C1500 (3)</b> either semester [III] or C2407 (4) or C3045 (3.5)	<b>C1404 (3.5)</b> → C2507 (3) → C3046 (3.5) and Lab C2507 (3)		
REQUIRED NONTECHNICAL COURSES	<b>C1010 (3)</b> or Z1003 (4) or ALP0006 (0)	<b>C1010 (3)</b> → Z1003 (4)	<b>HUMA C1001,</b> COCI C1101, or ASCM V2001 (4)  → C1010 (3)	<b>HUMA C1002,</b> COCI C1102, or ASCM V2002 (4)  <b>ECON W1105 (4)</b> and W1155 recitation (0)  <b>HUMA C1121</b> or C1123 (3)
REQUIRED PROFESSIONAL AND TECHNICAL ELECTIVES		<b>EAAE E1100 (3)</b> <i>A better planet by design</i> <b>MW 4:10-5:25</b> or <i>Other departmental</i> <i>professional-level course</i>	<b>EESC W4001 (4) TR 2:40-3:55, R 4-7</b> or <b>EESC V2100 (4.5) MW 11:00-12:15, T 4-7</b> or <b>EESC V2200 (4.5) MW 2:40-3:55, M or W 4-7</b>  <b>EAAE E2002 / EAIA W4200 (3)</b> <b>Alternative energy resources</b> <b>TR 1:10-2:25</b>	
COMPUTER SCIENCE	<i>Computer language: COMS W1003(3) or COMS W1004(3) any semester [IV]</i>			
PHYSICAL EDUCATION	<b>C1001 (1)</b>	<b>C1002 (1)</b>		
GATEWAY LAB	<b>E1102 (4)</b> either semester [I]			
<b>CREDITS=69</b> <b>COURSES=20</b>	<b>17.5</b> <b>5</b>	<b>16.5</b> <b>5</b>	<b>18</b> <b>5</b>	<b>17</b> <b>5</b>

**2007-2008 EARTH AND ENVIRONMENTAL ENGINEERING PROGRAM: THIRD AND FOURTH YEARS**

**Sample Curriculum in BOLD**

***EAAE Decision Points***

	SEMESTER V	SEMESTER VI	SEMESTER VII	SEMESTER VIII
REQUIRED COURSES	<b>EAAE E3103 (3) Energy, minerals and materials systems TR 4:10-5:25</b>	<b>CIEE E3255 (3) Environmental control and pollution reduction systems MW 9:10-10:25</b>	<b>EAAE E3998 (2) Undergraduate design project W 11:00-1:00</b>	<b>EAAE E3999 (2) Undergraduate design project</b>
	<b>CIEE E4252 (3) Environmental engineering MW 4:10-5:25</b>	<b>CIEE E3250 (3) Hydrosystems engineering MW 4:10-5:25</b>	<b>EAAE E4003 (3) Aquatic chemistry MW 9:10-10:25</b>	<b>EAAE E4160 (3) Solid and hazardous waste management W 1:40-4:10</b>
	<b>ENME E3161 (4) Fluid Mechanics TR 10:00-11:30 Lab R 1:10-2:00, 2:10-3:00, 3:10-4:00 or MECE E3100 (3) Introduction to Mechanics of Fluids TR 2:40-3:55</b>	<b>SIEO W3600 (4) MW 1:10-2:25, Rec R 5:00-6:00 or F 9:30-10:30</b>	<b>EAAE E3801 (2) Earth and Environmental Engineering Lab II Lecture T 9:10-10:00 Lab TBD</b>	
	<b>CHEE E3010 (4) Principles of chemical engineering thermodynamics MW 9:10-10:25 or MSAE E3111 (3) Thermodynamics, kinetic theory, and statistical mechanics TR 2:40-3:55 or MECE E3301 (3) Thermodynamics TR 1:10-2:25</b>	<b>EAAE E3800 (2) Earth and Environmental Engineering Lab I</b>		
TECHNICAL ELECTIVES		<i><b>3 points</b></i>	<i><b>6 points</b></i>	<i><b>9 points</b></i>
NON-TECHNICAL ELECTIVES	<b>3 points</b>		<b>3 points</b>	<b>3 points</b>
<b>CREDITS=68</b>	<b>17</b>	<b>18</b>	<b>16</b>	<b>17</b>
<b>COURSES=23</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>