

# PRE-ECOLOGICAL ENGINEERING

Code	Title	Hours
<b>Pre-Professional Core</b>		
BEE 102	ECOLOGICAL ENGINEERING II <sup>1</sup>	3
Select one of the following:		3-5
CH 231 & CH 261	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 231 <sup>1</sup>	
CH 121	GENERAL CHEMISTRY <sup>1,2</sup>	
CH 201	CHEMISTRY FOR ENGINEERING MAJORS (For major transfers only, with CH 202 and CH 205 only) <sup>1</sup>	
Select one of the following:		3
COMM 111	*PUBLIC SPEAKING <sup>1</sup>	
or COMM 11 *ARGUMENT AND CRITICAL DISCOURSE		
COMM 218	*INTERPERSONAL COMMUNICATION <sup>1</sup>	
ENGR 211	STATICS <sup>1</sup>	3
ENGR 213	STRENGTH OF MATERIALS <sup>1</sup>	3
MTH 251	*DIFFERENTIAL CALCULUS <sup>1</sup>	4
MTH 252	INTEGRAL CALCULUS <sup>1</sup>	4
MTH 254	VECTOR CALCULUS I <sup>1</sup>	4
MTH 256	APPLIED DIFFERENTIAL EQUATIONS <sup>1</sup>	4
Select one of the following:		4-7
MTH 306	MATRIX AND POWER SERIES METHODS <sup>1</sup>	
MTH 253 & MTH 341	INFINITE SERIES AND SEQUENCES and LINEAR ALGEBRA I <sup>1</sup>	
PH 211 & PH 212 & PH 213	*GENERAL PHYSICS WITH CALCULUS and *GENERAL PHYSICS WITH CALCULUS and *GENERAL PHYSICS WITH CALCULUS <sup>1</sup>	12
WR 121	*ENGLISH COMPOSITION	3
<b>Additional Pre-Professional Courses</b>		
BEE 101	ECOLOGICAL ENGINEERING I	3
BEE 221	FUNDAMENTALS OF ECOLOGICAL ENGINEERING	3
BEE 222	ECOLOGICAL ENGINEERING COMPUTATION	3
BI 211 & BI 212 & BI 213	*PRINCIPLES OF BIOLOGY and *PRINCIPLES OF BIOLOGY and *PRINCIPLES OF BIOLOGY	12
Select one of the following:		5
CH 232 & CH 262	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 232	
CH 122	*GENERAL CHEMISTRY <sup>2</sup>	
Select one of the following:		5
CH 233 & CH 263	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 233	
CH 123	*GENERAL CHEMISTRY <sup>2</sup>	
HHS 231 & HHS 241	*LIFETIME FITNESS FOR HEALTH and *LIFETIME FITNESS (or any PAC course)	3
SOIL 205 & SOIL 206	SOIL SCIENCE and *SOIL SCIENCE LABORATORY FOR SOIL 205	4
ST 314 or ST 421 or ST 422	INTRODUCTION TO STATISTICS FOR ENGINEERS INTRODUCTION TO MATHEMATICAL STATISTICS INTRODUCTION TO MATHEMATICAL STATISTICS	3-4

WR 327	*TECHNICAL WRITING	3
Total Hours		94-100

- <sup>1</sup> Required for entry into Professional School  
<sup>2</sup> For major transfers only, B grade or better, must have completed CH 12X sequence prior to transfer  
\* Baccalaureate Core Course (BCC)  
^ Writing Intensive Course (WIC)

## Major Code 654