

PRE-CHEMICAL ENGINEERING

Course	Title	Hours
First Year		
CBEE 101	CHEMICAL, BIOLOGICAL, AND ENVIRONMENTAL ENGR ORIENTATION	3
CBEE 102	ENGINEERING PROBLEM SOLVING AND COMPUTATIONAL	3
CH 231 & CH 261	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 231 ¹	5
CH 232 & CH 262	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 232	5
CH 233 & CH 263	GENERAL CHEMISTRY and *LABORATORY FOR CHEMISTRY 233	5
MTH 251	*DIFFERENTIAL CALCULUS I ¹	4
MTH 252	INTEGRAL CALCULUS I ¹	4
MTH 254	VECTOR CALCULUS I ¹	4
PH 211	*GENERAL PHYSICS WITH CALCULUS I ¹	4
WR 121	*ENGLISH COMPOSITION I ¹	3
Biological science baccalaureate core lab course		
HHS 231	*LIFETIME FITNESS FOR HEALTH ²	2
HHS 241	*LIFETIME FITNESS (or any PAC course)	1-2
Hours		47-48
Second Year		
CH 331 & CH 332	ORGANIC CHEMISTRY and ORGANIC CHEMISTRY	8
CBEE 211	MATERIAL BALANCES AND STOICHIOMETRY	3
CBEE 212	ENERGY BALANCES	3
CBEE 213	PROCESS DATA ANALYSIS	4
COMM 111 or COMM 114	*PUBLIC SPEAKING I or *ARGUMENT AND CRITICAL DISCOURSE	3
ENGR 201	ELECTRICAL FUNDAMENTALS I ¹	3
ENGR 211	STATICS I ¹	3
MTH 256	APPLIED DIFFERENTIAL EQUATIONS I ¹	4
MTH 306	MATRIX AND POWER SERIES METHODS I ¹	4
PH 212 & PH 213	*GENERAL PHYSICS WITH CALCULUS and *GENERAL PHYSICS WITH CALCULUS I ¹	8
WR 327	*TECHNICAL WRITING	3
Hours		46
Total Hours		93-94

¹ Required for entry into the professional program.

² Must be selected to satisfy the requirements of the baccalaureate core.

* Baccalaureate Core Course (BCC)

[^] Writing Intensive Course (WIC)

Pre-Chemical Engineering Major Code: 333