

EDUCATIONAL OBJECTIVES

The following are the current educational objectives of the BSChE Program. After graduating from the program, the graduates are expected within a few years of graduation to have:

- Performed effectively in a chemical engineering related position in industry or in graduate/professional schools.
- Demonstrated teamwork and leadership skills in using interdisciplinary approaches for solving problems.
- Been active in their communities and professional societies.
- Enhanced their professional credentials through life-long learning.

STUDENT OUTCOMES

The department is guided by a set of student outcomes that must be demonstrated in the BSChE program graduates. The student outcomes include general outcomes and chemical engineering outcomes that have been put in place to ensure the continuing improvement of the program and our graduates. The BSChE program student outcomes list the knowledge and skills that graduates are expected to possess at graduation. The BSChE program student outcomes are:

- a) CHEN graduates will have the ability to apply the knowledge of mathematics, science and engineering;
 - b) CHEN graduates will have the ability to design and conduct experiments; to analyze and interpret data;
 - c) CHEN graduates will have the ability to design a system, component or process to meet desired needs;
 - d) CHEN graduates will have the ability to function on multidisciplinary teams;
 - e) CHEN graduates will have the ability to identify, formulate and solve engineering problems;
 - f) CHEN graduates will have an understanding of professional and ethical responsibility;
 - g) CHEN graduates will have the ability to effectively communicate orally and in writing;
 - h) CHEN graduates will have the understanding of engineering solutions in global and social context;
 - i) CHEN graduates will have recognition of the need for and an ability to engage in life-long learning;
 - j) CHEN graduates will have the knowledge of contemporary issues;
 - k) CHEN graduates will have the ability to use computers to solve engineering problems; and will be proficient in the use of computers, computer software and computer-based information systems;
- ChE1) CHEN graduates will have a working knowledge of safety and environmental aspects of the chemical engineering profession;
- ChE2) CHEN graduates will have a working knowledge of topics and subject in Chemical Engineering applied to chemical systems and as appropriate to biological systems.

Table. Program Enrollment and Degree Data

Name of the Program: BS in Chemical Engineering

Academic Year		Enrollment Year (Undergraduate only)					Total Undergrad	Total Grad	Bachelors
		1st	2nd	3rd	4th	5th			
2012-13 (current)	FT	17	13	13	20		63	9	10
	PT	-	4	3	2		9	9	
2011-12	FT	16	9	21	16		62	13	12
	PT	-	1	2	2		5	11	
2010-11	FT	13	23	12	27		75	9	14
	PT	1	3	1	1		6	10	
2009-10	FT	23	14	20	28		85	11	14
	PT	1	-	1	3		5	9	
2008-09	FT	21	14	23	19		77	9	9
	PT	-	2	1	1		4	7	

Give official fall term enrollment figures (head count) for the current and preceding four academic years and undergraduate and graduate degrees conferred during each of those years. The “current” year means the academic year preceding the ABET fall visit.

FT--full time; PT--part time