COMMENTS ON PROPOSED CHANGES

STEM EDUCATION
UPRAC 3/12/15

STEM

- UTeach replication site
- Initiated in 2010
- Seven degree tracks
 - Distinguished by BSEngineering:STEM Ed
- 78 majors

 Mission: To increase the number and quality of STEM teachers

Key Components

- Degree in STEM discipline
- Master Teachers
- Mentored teaching experiences
 - Elementary school, middle school, high school

Course	Focused Observations	Teaches
STEM 1030	2	4
STEM 2020	3	3
STEM 4010	3	4
TOTAL	8	11

Description of Students/Graduates

DISTRIBUTION OF MAJORS (Taken from Banner) N=78 (%)

Mathematics	Biology	Chemistry	Physics	Engineering	Geology
30 (38.5)	28 (35.9)	7 (9.0)	6 (7.7)	4 (5.1)	3 (3.8)

SUMMARY OF STEM EDUCATION GRADUATES

	Recorded	Projected	Yearly Average	
2012-2013	2013-2014	2014-2015*	2015-2016#	9.25
5	13	8	11	9.25

^{*}Includes current AT students slated to graduate this Spring
#Based off projected FALL 2015 and Spring 2016 enrollment in AT and PBI

10 Year Progression

PROGRESSION OF MAJORS

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
SOE	60	67	76	59	83	54	33	12	1	1
STEM							2	56	57	76
TOTAL	60	67	76	59	83	54	35	68	58	77

PROGRESSION OF GRADUATES

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
SOE	15	11	6	10	6	8	1	12	11	2		
STEM									5	13	8	11
TOTAL	15	11	6	10	6	8	1	12	16	15	8	11

Impact of Proposed Changes

- No Master teachers
- Loss of integrative teaching experiences throughout curriculum
- Change in curriculum to replace core STEM Education courses with current EDUC courses