

Characteristic Sophomore BME

	Characteristic	Count
Pre-College Descriptors	Interested in BME b/c she likes chem/bio/physics	9
	Good at math in high school	5
	Some academic engineering experience before college	3
	Some Biology Experience	3
	Interested in healthcare field	3
	"some experience with engineering"	2
	Interested in prosthetics	2
Why they picked BME	Characteristic	Count
	Personal experience motivated them to do BME	5
	Wants to make an impact	5
	Fallback to Med School	4
	Fascinated by engineering	4
	"interested in bme"	1
	Interested in medicine	1
	Engineering offers more job opportunities	1
Motivations	Want to do something with med devices	2
Future Plans	Characteristic	Count
	Debating Med School	11
	Want to do grad school	8
	Industry	4
	Will pursue Dental school	3
	Will pursue BME Masters	2
	JD	1
Current Characteristics	Characteristic	Count
	Active in extra-curricular	12
	driven	5
	Has research experience	4
	Enjoys learning	3
	Most excited by real world activities	3
	Analytical	1
	Good working with Hands	1
	Good Problem Solver	1
	Prefers quantitative approach to things	1
	naturally jack of all trades	1
	Driven by intellectual interest	1
	grade conscious	1
	Sees education as a stepping stone, less engaging	1
Mental State	Characteristic	Count
	Overwhelmed with pre-req classes	2

	Doesn't know what she wants to learn now b/c don't know what she doesn't know	2
	Sophomores still haven't quite settled into college	1
What they want from their educ	Characteristic	Count
	Wants hands on activity	13
	Looking for practical utility of coursework	2
	Wants to use biosystems approach to understand engineering material	2
	Looking for skill based instruction (from career fair)	1
	Looking for more opportunities to be creative	1
	Wants lecture classes to complement hands on	1
Skills they are looking for	Characteristic	Count
	AutoCAD	2
	Needs Assessment	1
	Rick Analysis	1
	Wants Coding Skills	1
	Wants technical writing	1
	Wants sound background in anatomy and physiology	1
	Looking for basic Bio Labskills (Cell culture, western blots, flourescence stianing, DNA extraction, Gel electrophoresis)	1
	Wants tp use hardware to solve complex bme problems	1
What they want from BME?	Characteristic	Count
	Likes interacting with BME faculty	4
	Wants to understand the concentrations	2
	Wants to solve medical problem with engineering	2
If I take a non-required class	Characteristic	Count
	Nonrequired class should have limited outside work	3
	takes non-required classes for own interest or to get a skill for career	2
	Class needs to look good on resume or help with future	2
	Picks classes based on difficulty for balance	1
	Only takes a class that benefits him	1
Career ...	Characteristic	Count
	Doesn't have a grasp on future directions to go with major	3
	Feels like lacking career development opportunities	1
	Not sure BME was the right choice	1
General	Characteristic	Count
	a lot of prerequisites done	1
	Believes To stay in BME you need a graduate degree	1
	Wants more exposure to engineering in sophomore year	1
	Jealous of ME fabrication sophomore sequence	1
	Wants to get to more jr sr level classes sooner	1
	Has problem with scheduling	1