Characteristic Sophomore BME

Good at math in high school 5 Some academic engineeringexperience before college 3 Some Biology Experience 3 Interested in healthcare field 3 "some experience with engineering" 2 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 beme" 1 Interested in beme" 1 Interested in in medicine 1 Interested in in medicine 1 Engineering offers more job opoprtunities 1 Motivations Want to do something with med devices 2 Future Plans Characteristic Count Wants to depart a school 8 Industry 4 Will pursue Dental school 8 Industry 4 Will pursue Dental school 3 Will pursue BME Masters 2 ID 1 Current Characteristics Characteristic Count 4 Has research experience 5 Has research experience 4 Enjoys learning 3 Most excited by real world activities 3 Analytical 1 Good working with Hands 1 Frefers quantitative appoach to things 1 Prefers quantitative appoach 1	Pre-College Descriptors	Characteristic Interested in BME b/c she likes chem/bio/physics	Count
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Mental State Characteristic Count			
		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
what they want from their educ	Wants hands on activity	Lount 13
	Looking for practical utility of coursework	2
	Wants to use biosystems approach to understand engineering	2
	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