

**PR-99 A Taxonomy of Engineering Matriculation Practices and Introductory Engineering Courses**

Dimension	Label	Definition
1. The place where first-year students intending to pursue engineering are formally admitted upon enrollment	U	University, or a college/school/department/program that does not include any engineering program
	C	College/School/Department of Engineering (or anything else that includes engineering), first-year/pre-professional engineering program
	D	Discipline. Either a specific engineering program or a disciplinary engineering department
2. The semester when the first engineering course is required, and if all engineering programs require the first engineering course simultaneously	1/2/3... (a number)	The semester when the first engineering course is required by all engineering programs
	A/B/C... (a letter)	The earliest semester when the first engineering course is required to take by some but not all engineering programs. A refers to semester 1, B refers to semester 2, etc.
3. The semester when the first (multi-)disciplinary engineering course is required, and if all engineering programs require it simultaneously	1/2/3... (a number)	The semester when the first (multi-)disciplinary engineering course is required by all engineering programs
	A/B/C... (a letter)	The earliest semester when the first (multi-)disciplinary engineering course is required by some but not all engineering programs. A refers to semester 1, B refers to semester 2, etc.
	X	Only one engineering program is accredited by ABET EAC in the institution

**Examples**

Georgia Institute of Technology DAA – Students are admitted to a specific engineering program upon enrollment. Some majors require a (multi-)disciplinary engineering course in term 1, but others do not.

Purdue University at West Lafayette C13 – Students are admitted to the First-Year Engineering program in the college of engineering, but not to a discipline. All students take a general engineering course in term 1 and begin to take a discipline-specific course in term 3.

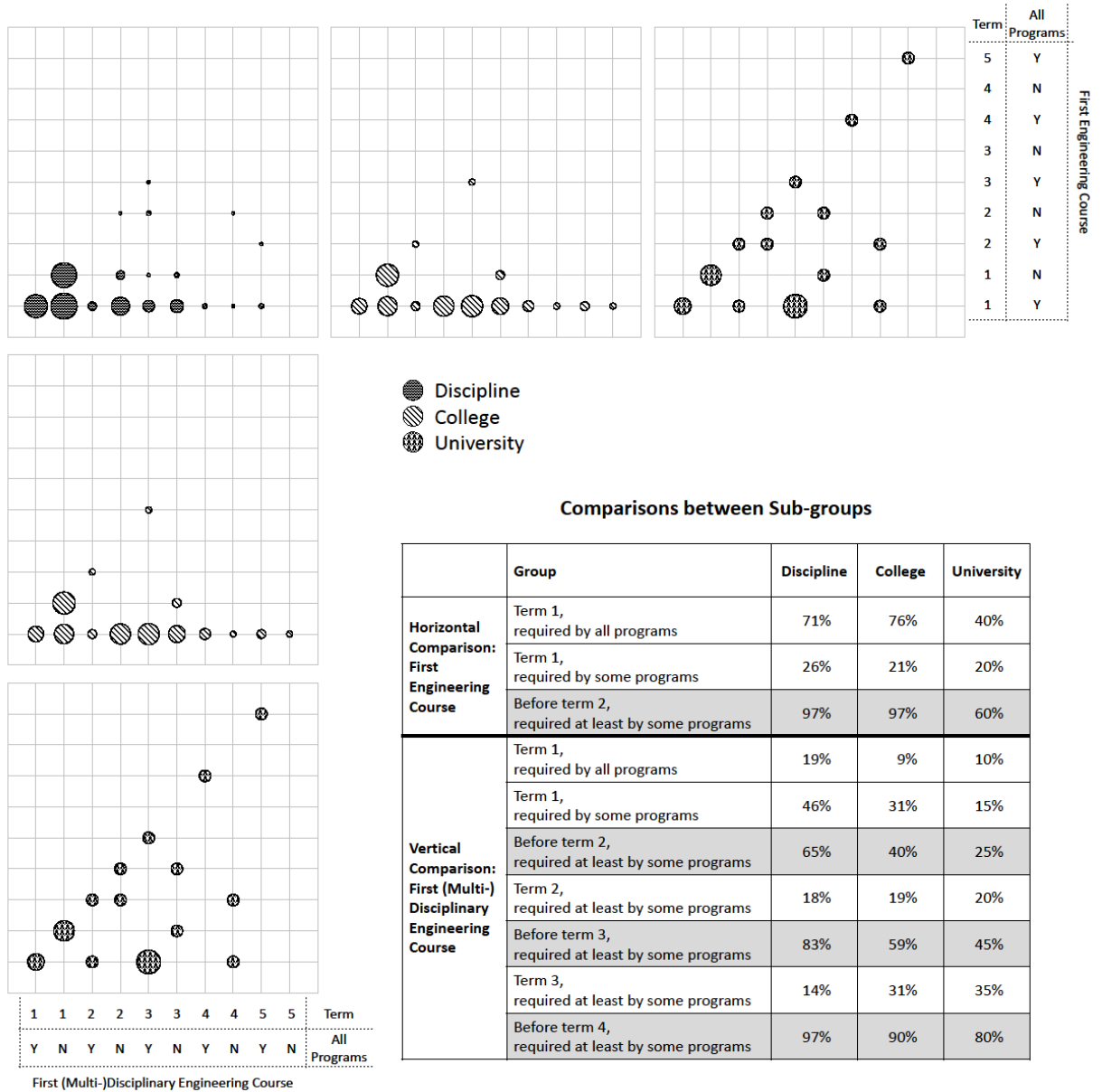
Hope College U1X – Students are admitted at the University level. An engineering course is required in term 1 by the engineering program. Students can declare engineering as a major any time after term 1, usually by the end of the second academic year.

**Grouping of 408 institutions with ABET EAC-accredited programs**

Dimension 1			Dimension 2 and 3					
U	43	11%	Multiple programs	24	6%	U1*	8	2%
						UA*	4	1%
						UN* (N≥2/B)	8	2%
						U??	4	1%
			One program	19	5%	U1X	9	2%
						UNX (N≥2)	4	1%
						U?X	6	2%
C	74	18%	Multiple programs	69	17%	C1*	52	13%
						CA*	14	3%
						CN* (N≥2/B)	2	<1%
						C??	1	<1%
			One program	5	1%	C1X	5	1%
D	287	70%	Multiple programs	229	56%	D1*	158	39%
						DA*	58	14%
						DN* (N≥2/B)	6	1%
						D??	7	2%
			One program	58	14%	D1X	47	11%
						DNX (N≥2)	3	1%
						D?X	8	2%
?	4	1%						

Note: \* means all values, N means all values greater than or equal to 2 or B, ? means not reported.

## Dimension 2 and 3 by the percentage of institutions with multiple ABET EAC-accredited programs



### Contact

Xingyu Chen, Purdue University, chen414@purdue.edu

Catherine Brawner, Research Triangle Educational Consultants, brawnerc@bellsouth.net

Marisa K. Orr, Louisiana Tech University, marisao@latech.edu

Matthew Ohland, PI, Purdue University, ohland@purdue.edu

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