

## Summary

Assess the statements and how they apply to you. Statement	Overall Mean	Gender			Year			Faculty		Student	
		F Female	M Male	Sig.†	L Lower	U Upper	Sig.†	L < 25%	G ≥ 25%	Sig.†	Sig.†
(a) I can succeed in engineering or computer science curriculum	4.38	F 4.40	M 4.37		L 4.28	U 4.45		L 4.35	G 4.02	L 4.38	G 4.37
(b) I can succeed in engr./cs program and still participate in other activities	4.04	F 4.19 *	M 3.97		L 4.01	U 4.07		L 4.05	G 4.02	L 4.05	G 4.03
(c) I can relate to the students around me in my classes	3.87	F 4.11 **	M 3.77		L 3.81	U 3.92		L 3.86	G 3.90	L 3.78 *	G 4.03
(d) I can relate to the faculty in my classes	3.58	F 3.76 **	M 3.50		L 3.58	U 3.58		L 3.52	G 3.69	L 3.49 **	G 3.73
(e) I am confident that I will be enrolled in a cs or engr. major next year	4.31	F 4.5 *	M 4.23		L 4.4	U 4.25		L 4.27	G 4.41	L 4.29	G 4.36
(f) I am confident that my degree will be in my current field of study	4.46	F 4.50	M 4.44		L 4.21 **	U 4.64		L 4.45	G 4.48	L 4.44	G 4.49
(g) I am confident I will graduate with a comp. sci. or engr degree	4.59	F 4.62	M 4.58		L 4.34 ***	U 4.78		L 4.60	G 4.59	L 4.62	G 4.55
(h) I am confident I will earn a degree at this university	4.62	F 4.74	M 4.56		L 4.35 ***	U 4.81		L 4.66	G 4.55	L 4.63	G 4.60

†Significance – p-value of  $\chi^2$  test of independence, \* < 0.05, \*\* < 0.01, \*\*\* < 0.001

Qa

Question: Assess the statements and how they apply to you.

(a) I can succeed in engineering or computer science curriculum

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Likert Scale Data, % (*n*)

Factor	Disagree		Neutral		Agree		Mean		<i>p</i> -value†
	1-2		3		4-5		Factor Total		
Female	1.50	(2)	8.10	(11)	90.40	(123)	4.40	4.38	0.608
Male	2.40	(7)	10.40	(31)	87.20	(259)	4.37		
Year1-2	3.40	(6)	10.60	(19)	86.00	(154)	4.28	4.38	0.245
Year3-6	1.20	(3)	9.10	(23)	89.80	(228)	4.45		
<25% Fac.	1.40	(4)	11.30	(32)	87.30	(248)	4.35	4.38	0.139
≥25% Fac.	3.40	(5)	6.70	(10)	89.90	(134)	4.43		
<25% Stu.	1.10	(3)	10.80	(29)	88.10	(237)	4.38	4.38	0.134
≥25% Stu.	3.70	(6)	7.90	(13)	88.40	(145)	4.37		

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Qb

Question: Assess the statements and how they apply to you.

(b) I can succeed in engr./cs program and still participate in other activities

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Likert Scale Data, % (n)

Factor	Disagree 1-2	Neutral 3	Agree 4-5	Mean Factor Total	<i>p</i> -value†
Female	2.2 (3)	14.7 (20)	83.1 (113)	4.19	0.012
Male	10.4 (31)	15.1 (45)	74.5 (222)	3.97	
Year1-2	7.3 (13)	17.3 (31)	75.4 (135)	4.01	0.505
Year3-6	8.2 (21)	13.3 (34)	78.4 (200)	4.07	
<25% Fac.	8.1 (23)	13.3 (38)	78.6 (224)	4.05	0.413
≥25% Fac.	7.4 (11)	18.1 (27)	74.5 (111)	4.02	
<25% Stu.	7.4 (20)	15.9 (43)	76.7 (207)	4.05	0.733
≥25% Stu.	8.5 (14)	13.4 (22)	78.0 (128)	4.03	

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Qc

Question: Assess the statements and how they apply to you.

(c) I can relate to the students around me in my classes

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Likert Scale Data, % (n)

Factor	Likert Scale Data, % (n)			Mean		p-value†
	Disagree 1-2	Neutral 3	Agree 4-5	Factor Total		
Female	2.9 (4)	14.0 (19)	83.1 (113)	4.11	3.87	0.002
Male	10.7 (32)	21.5 (64)	67.8 (202)	3.77		
Year1-2	8.9 (16)	20.7 (37)	70.4 (126)	3.81	3.87	0.693
Year3-6	7.8 (20)	18.0 (46)	74.1 (189)	3.92		
<25% Fac.	8.1 (23)	18.2 (52)	73.7 (210)	3.86	3.87	0.769
≥25% Fac.	8.7 (13)	20.8 (31)	70.5 (105)	3.90		
<25% Stu.	9.6 (26)	22.2 (60)	68.1 (184)	3.78	3.87	0.029
≥25% Stu.	6.1 (10)	14.0 (23)	79.9 (131)	4.03		

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## Qd

Question: Assess the statements and how they apply to you.

(d) I can relate to the faculty in my classes

Likert Scale Data, % (n)							
Factor	Disagree 1-2	Neutral 3	Agree 4-5	Mean Factor Total			<i>p</i> -value†
Female	7.4 (10)	24.3 (33)	68.4 (93)	3.76	3.58		0.004
Male	17.5 (52)	29.0 (86)	53.5 (159)	3.50			
Year1-2	14.5 (26)	24.6 (44)	60.9 (109)	3.58	3.58		0.516
Year3-6	14.2 (36)	29.5 (75)	56.3 (143)	3.58			
<25% Fac.	16.2 (46)	27.5 (78)	56.3 (160)	3.52	3.58		0.283
≥25% Fac.	10.7 (16)	27.5 (41)	61.7 (92)	3.69			
<25% Stu.	16.4 (44)	31.2 (84)	52.4 (141)	3.49	3.58		0.008
≥25% Stu.	11.0 (18)	21.3 (35)	67.7 (111)	3.73			

Qe

Question: Assess the statements and how they apply to you.

(e) I am confident that I will be enrolled in a cs or engr. Major next year

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Likert Scale Data, % (n)

Factor	Disagree 1-2	Neutral 3	Agree 4-5	Mean Factor Total		<i>p</i> -value†
Female	4.4 (6)	5.2 (7)	90.4 (122)	4.50	4.31	0.029
Male	9.5 (28)	10.5 (31)	80.1 (237)	4.23		
Year1-2	4.5 (8)	8.4 (15)	87.1 (155)	4.40	4.31	0.082
Year3-6	10.3 (26)	9.1 (23)	80.6 (204)	4.25		
<25% Fac.	8.5 (24)	8.8 (25)	82.7 (234)	4.27	4.31	0.817
≥25% Fac.	6.8 (10)	8.8 (13)	84.5 (125)	4.41		
<25% Stu.	8.2 (22)	9.7 (26)	82.2 (221)	4.29	4.31	0.680
≥25% Stu.	7.4 (12)	7.4 (12)	85.2 (138)	4.36		

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Qf

Question: Assess the statements and how they apply to you.

(f) I am confident that my degree will be in my current field of study

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Likert Scale Data, % (n)

Factor	Disagree 1-2	Neutral 3	Agree 4-5	Mean Factor Total		<i>p</i> -value†
Female	2.9 (4)	8.1 (11)	89.0 (121)	4.50	4.46	0.905
Male	3.0 (9)	9.4 (28)	87.6 (261)	4.44		
Year1-2	5.0 (9)	13.4 (24)	81.6 (146)	4.21	4.46	0.002
Year3-6	1.6 (4)	5.9 (15)	92.5 (236)	4.64		
<25% Fac.	2.5 (7)	9.1 (26)	88.4 (252)	4.45	4.46	0.658
≥25% Fac.	4.0 (6)	8.7 (13)	87.2 (130)	4.48		
<25% Stu.	2.6 (7)	10.7 (29)	86.7 (234)	4.44	4.46	0.225
≥25% Stu.	3.7 (6)	6.1 (10)	90.2 (148)	4.49		

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## Qg

Question: Assess the statements and how they apply to you.

(g) I am confident I will graduate with a comp. sci. or engr degree

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Likert Scale Data, % (*n*)

Factor	Disagree	Neutral	Agree	Mean		<i>p</i> -value†
	1-2	3	4-5	Factor	Total	
Female	2.9 (4)	4.4 (6)	92.6 (126)	4.62	4.59	0.713
Male	2.7 (8)	6.4 (19)	90.9 (271)	4.58		
Year1-2	4.5 (8)	10.6 (19)	84.9 (152)	4.34	4.59	0.000
Year3-6	1.6 (4)	2.4 (6)	96.1 (245)	4.78		
<25% Fac.	2.8 (8)	4.6 (13)	92.6 (264)	4.60	4.59	0.333
≥25% Fac.	2.7 (4)	8.1 (12)	89.3 (133)	4.59		
<25% Stu.	2.2 (6)	5.2 (14)	92.6 (250)	4.62	4.59	0.530
≥25% Stu.	3.7 (6)	6.7 (11)	89.6 (147)	4.55		

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## Qh

Question: Assess the statements and how they apply to you.

(h) I am confident I will earn a degree at this university

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Likert Scale Data, % (n)

Factor	Disagree	Neutral	Agree	Mean		<i>p</i> -value†
	1-2	3	4-5	Factor	Total	
Female	0.7 (1)	4.4 (6)	94.9 (129)	4.74	4.62	0.117
Male	4.0 (12)	6.4 (19)	89.6 (267)	4.56		
Year1-2	6.7 (12)	9.5 (17)	83.8 (150)	4.35	4.62	0.000
Year3-6	0.4 (1)	3.1 (8)	96.5 (246)	4.81		
<25% Fac.	1.8 (5)	5.3 (15)	93.0 (265)	4.66	4.62	0.086
≥25% Fac.	5.4 (8)	6.7 (10)	87.9 (131)	4.55		
<25% Stu.	3.0 (8)	4.8 (13)	92.2 (249)	4.63	4.62	0.553
≥25% Stu.	3.0 (5)	7.3 (12)	89.6 (147)	4.60		

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