

Summary

| Why did you choose your major? Statement | Overall Mean | Gender | | | Year | | | Faculty | | Student | | |
|--|-----------------|--------|----------------|-------|--------|----------------|-------|---------|----------------|---------|--------|----------------|
| | | F M | Female Male | Sig.† | L U | Lower Upper | Sig.† | L G | < 25% ≥ 25% | Sig.† | L G | < 25% ≥ 25% |
| (a) I am good at math and science | 3.98 | F | 4.16 | ** | L | 3.97 | | L | 3.96 | | L | 3.92 |
| | | M | 3.90 | | U | 3.99 | | G | 4.01 | | G | 4.09 |
| (b) I am interested in this major/field | 4.52 | F | 4.48 | * | L | 4.49 | | L | 4.52 | | L | 4.53 |
| | | M | 4.55 | | U | 4.55 | | G | 4.53 | | G | 4.52 |
| (c) A family member of close friend is in this career field | 2.34 | F | 2.35 | | L | 2.33 | | L | 2.33 | | L | 2.44 |
| | | M | 2.34 | | U | 2.36 | | G | 2.37 | | G | 2.16 |
| (d) My parents/counselor recommended this career | 2.43 | F | 2.57 | | L | 2.45 | | L | 2.48 | | L | 2.40 |
| | | M | 2.37 | | U | 2.41 | | G | 2.33 | | G | 2.49 |
| (e) This field provides opportunities to make a difference in the world | 3.81 | F | 4.16 | *** | L | 3.93 | * | L | 3.88 | ** | L | 3.72 |
| | | M | 3.65 | | U | 3.73 | | G | 3.68 | | G | 3.97 |
| (f) There are many job opportunities | 4.10 | F | 4.19 | | L | 4.21 | ** | L | 4.03 | | L | 4.08 |
| | | M | 4.06 | | U | 4.02 | | G | 4.23 | | G | 4.13 |
| (g) There is high income potential | 3.70 | F | 3.66 | | L | 3.81 | | L | 3.62 | | L | 3.71 |
| | | M | 3.72 | | U | 3.62 | | G | 3.85 | | G | 3.68 |

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

Qa

Question: Why did you choose your major?

(a) I am good at math and science

| Factor | Likert Scale Data, % (n) | | | Mean | | p-value† |
|-----------|--------------------------|--------------|------------------|--------------|------|----------|
| | Unimportant 1-2 | Neutral 3 | Important 4-5 | Factor Total | | |
| Female | 5.9 (8) | 10.4 (14) | 83.7 (113) | 4.16 | 3.98 | 0.010 |
| Male | 5.7 (17) | 22.6 (67) | 71.6 (212) | 3.90 | | |
| Year1-2 | 6.7 (12) | 21.1 (38) | 72.2 (130) | 3.97 | 3.98 | 0.428 |
| Year3-6 | 5.2 (13) | 17.1 (43) | 77.7 (195) | 3.99 | | |
| <25% Fac. | 5.7 (16) | 18.4 (52) | 75.9 (214) | 3.96 | 3.98 | 0.950 |
| ≥25% Fac. | 6.0 (9) | 19.5 (29) | 74.5 (111) | 4.01 | | |
| <25% Stu. | 5.2 (14) | 20.1 (54) | 74.6 (200) | 3.92 | 3.98 | 0.561 |
| ≥25% Stu. | 6.7 (11) | 16.6 (27) | 76.7 (125) | 4.09 | | |

Qb

Question: Why did you choose your major?

(b) I am interested in this major/field

| Factor | Likert Scale Data, % (n) | | | Mean Factor Total | p-value† |
|-----------|--------------------------|--------------|------------------|----------------------|----------|
| | Unimportant 1-2 | Neutral 3 | Important 4-5 | | |
| Female | 3.7 (5) | 2.9 (4) | 93.4 (127) | 4.48 | 0.019 |
| Male | 0.7 (2) | 7.1 (21) | 92.3 (274) | 4.55 | |
| Year1-2 | 2.8 (5) | 6.1 (11) | 91.1 (164) | 4.49 | 0.259 |
| Year3-6 | 0.8 (2) | 5.5 (14) | 93.7 (237) | 4.55 | |
| <25% Fac. | 2.1 (6) | 4.9 (14) | 93.0 (264) | 4.52 | 0.319 |
| ≥25% Fac. | 0.7 (1) | 7.4 (11) | 91.9 (137) | 4.53 | |
| <25% Stu. | 1.9 (5) | 5.6 (15) | 92.6 (250) | 4.53 | 0.859 |
| ≥25% Stu. | 1.2 (2) | 6.1 (10) | 92.6 (151) | 4.52 | |

Qc

Question: Why did you choose your major?

(c) A family member of close friend is in this career field

| Likert Scale Data, % (n) | | | | | | | | |
|--------------------------|-------------|-------|---------|------|-----------|------|--------------|------------|
| Factor | Unimportant | | Neutral | | Important | | Mean | |
| | 1-2 | | 3 | | 4-5 | | Factor Total | p-value† |
| Female | 60.4 | (64) | 17.0 | (18) | 22.6 | (24) | 2.35 | 2.34 0.758 |
| Male | 57.0 | (135) | 20.3 | (48) | 22.8 | (54) | 2.34 | |
| Year1-2 | 58.7 | (88) | 21.3 | (32) | 20.0 | (30) | 2.33 | 2.34 0.471 |
| Year3-6 | 57.5 | (111) | 17.6 | (34) | 24.9 | (48) | 2.36 | |
| <25% Fac. | 58.2 | (131) | 20.0 | (45) | 21.8 | (49) | 2.33 | 2.34 0.792 |
| ≥25% Fac. | 57.6 | (68) | 17.8 | (21) | 24.6 | (29) | 2.37 | |
| <25% Stu. | 54.9 | (123) | 20.1 | (45) | 25.0 | (56) | 2.44 | 2.34 0.251 |
| ≥25% Stu. | 63.9 | (76) | 17.6 | (21) | 18.5 | (22) | 2.16 | |

Qd

Question: Why did you choose your major?

(d) My parents/counselor recommended this career

| Likert Scale Data, % (n) | | | | | | | | | |
|--------------------------|-------------|-------|---------|------|-----------|------|--------------|----------|-------|
| Factor | Unimportant | | Neutral | | Important | | Mean | | |
| | 1-2 | | 3 | | 4-5 | | Factor Total | p-value† | |
| Female | 50.8 | (61) | 26.7 | (32) | 22.5 | (27) | 2.57 | 2.43 | 0.496 |
| Male | 54.4 | (141) | 28.2 | (73) | 17.4 | (45) | 2.37 | | |
| Year1-2 | 49.4 | (80) | 34.0 | (55) | 16.7 | (27) | 2.45 | 2.43 | 0.061 |
| Year3-6 | 56.2 | (122) | 23.0 | (50) | 20.7 | (45) | 2.41 | | |
| <25% Fac. | 52.4 | (132) | 25.8 | (65) | 21.8 | (55) | 2.48 | 2.43 | 0.118 |
| ≥25% Fac. | 55.1 | (70) | 31.5 | (40) | 13.4 | (17) | 2.33 | | |
| <25% Stu. | 54.0 | (129) | 27.6 | (66) | 18.4 | (44) | 2.40 | 2.43 | 0.916 |
| ≥25% Stu. | 52.1 | (73) | 27.9 | (39) | 20.0 | (28) | 2.49 | | |

Qe

Question: Why did you choose your major?

(e) This field provides opportunities to make a difference in the world

Likert Scale Data, % (n)

| Factor | Unimportant | Neutral | Important | Mean | | <i>p</i> -value† |
|-----------|-------------|-----------|------------|--------------|------|------------------|
| | 1-2 | 3 | 4-5 | Factor Total | | |
| Female | 6.7 (9) | 14.9 (20) | 78.4 (105) | 4.16 | 3.81 | 0.000 |
| Male | 14.3 (42) | 26.6 (78) | 59.0 (173) | 3.65 | | |
| Year1-2 | 11.2 (20) | 17.3 (31) | 71.5 (128) | 3.93 | 3.81 | 0.042 |
| Year3-6 | 12.5 (31) | 27.0 (67) | 60.5 (150) | 3.73 | | |
| <25% Fac. | 8.8 (25) | 25.8 (73) | 65.4 (185) | 3.88 | 3.81 | 0.008 |
| ≥25% Fac. | 18.1 (26) | 17.4 (25) | 64.6 (93) | 3.68 | | |
| <25% Stu. | 12.0 (32) | 26.3 (70) | 61.7 (164) | 3.72 | 3.81 | 0.092 |
| ≥25% Stu. | 11.8 (19) | 17.4 (28) | 70.8 (114) | 3.97 | | |

Question: Why did you choose your major?

(f) There are many job opportunities

| Factor | Likert Scale Data, % (n) | | | Mean | | p-value† |
|-----------|--------------------------|--------------|------------------|--------------|------|----------|
| | Unimportant 1-2 | Neutral 3 | Important 4-5 | Factor Total | | |
| Female | 3.0 (4) | 14.1 (19) | 83.0 (112) | 4.19 | 4.10 | 0.208 |
| Male | 4.7 (14) | 19.9 (59) | 75.3 (223) | 4.06 | | |
| Year1-2 | 3.4 (6) | 11.7 (21) | 84.9 (152) | 4.21 | 4.10 | 0.009 |
| Year3-6 | 4.8 (12) | 22.6 (57) | 72.6 (183) | 4.02 | | |
| <25% Fac. | 4.2 (12) | 20.8 (59) | 74.9 (212) | 4.03 | 4.10 | 0.117 |
| ≥25% Fac. | 4.1 (6) | 12.8 (19) | 83.1 (123) | 4.23 | | |
| <25% Stu. | 3.7 (10) | 18.6 (50) | 77.7 (209) | 4.08 | 4.10 | 0.796 |
| ≥25% Stu. | 4.9 (8) | 17.3 (28) | 77.8 (126) | 4.13 | | |

Qg

Question: Why did you choose your major?

(g) There is high income potential

| Factor | Likert Scale Data, % (n) | | | Mean | | p-value† |
|-----------|--------------------------|--------------|------------------|--------------|------|----------|
| | Unimportant 1-2 | Neutral 3 | Important 4-5 | Factor Total | | |
| Female | 13.5 (18) | 24.1 (32) | 62.4 (83) | 3.66 | 3.70 | 0.899 |
| Male | 12.0 (35) | 25.0 (73) | 63.0 (184) | 3.72 | | |
| Year1-2 | 10.1 (18) | 22.5 (40) | 67.4 (120) | 3.81 | 3.70 | 0.222 |
| Year3-6 | 14.2 (35) | 26.3 (65) | 59.5 (147) | 3.62 | | |
| <25% Fac. | 12.9 (36) | 27.7 (77) | 59.4 (165) | 3.62 | 3.70 | 0.100 |
| ≥25% Fac. | 11.6 (17) | 19.0 (28) | 69.4 (102) | 3.85 | | |
| <25% Stu. | 10.9 (29) | 26.4 (70) | 62.6 (166) | 3.71 | 3.70 | 0.341 |
| ≥25% Stu. | 15.0 (24) | 21.9 (35) | 63.1 (101) | 3.68 | | |