

## **Predictors of Time-to-Degree for Recent UW-Madison Undergraduates**

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Time-to-degree is an accountability metric that is of high priority at UW-Madison, in the UW System and in higher education nationally because it is related to the important issues of access, affordability, and equity. The purpose of this analysis is to identify factors that predict time-to-degree for UW-Madison undergraduates with a focus on factors that could be the basis of early intervention with students.

### **Introduction**

The number of students UW-Madison can enroll at any one time is finite. There is pressure to enroll more students and increase degree production. Decreasing the amount of time it takes for students to complete their degrees frees up space to enroll new students and increases the number of degrees per undergraduate enrollment.

Students and their families are increasingly paying a higher share of the cost of instruction. The longer students are enrolled the higher their costs – both direct costs and opportunity costs. Identifying and addressing any structural issues that are contributing to longer time-to-degree could decrease student costs in addition to freeing up space to enroll new students.

Interest in equity in outcomes for all students, including minority, first generation, and low income students, calls into question why these groups generally have above average time-to-degree. Identification of factors that lead to higher time-to-degree for these students may help develop targeted interventions to ensure that they are able to graduate in a timely manner with as little debt as possible.

### **Overview of the Analysis**

The population of students in this analysis is the 10,183 bachelors degree recipients in the last two academic years (2012-13 and 2013-14). The average time to degree for these graduates is 4.17 elapsed calendar years. This is slightly longer than the 3.74 elapsed calendar years of a traditional four-year degree. Based on variables that have been identified as significant predictors of time-to-degree in past analyses as well as other topics of interest, we identified independent variables to include in a linear regression model. These 31 variables include measures of:

- **Enrollment and academic patterns:** Credits per semester enrolled; number of part-time semesters; number of stop-outs; number of summer terms enrolled; number of semesters withdrawn; number of credits and courses dropped; number of degree-home schools/colleges; number of majors and certificates at graduation; number of majors ever declared; semester time to major declaration; number of credits not passed; and type of major(s) completed.
- **Academic preparation:** ACT/SAT score; placement test score; number of transfer credits; and number of advanced standing test credits (AP, IB, CLEP).
- **Co-curricular participation:** Participation in study abroad and participation in cooperative education.
- **Demographics:** Gender; race/ethnicity; first generation status; international student status, residency for tuition purposes.
- **Financial Need:** Number of academic years with financial need and eligibility for Pell Grants.

## **Key Findings**

The strongest predictors of increased time-to-degree for UW-Madison graduates as a whole are factors related to enrollment consistency, intensity, and choice of major, including:

1. Stopping out. Each time a student is readmitted after a break in enrollment adds 1.4 years to their time to degree. The slowing effects of stopping out are only partially reversed by the number of transfer credits accumulated while not enrolled at UW-Madison.
2. Attending on a part-time basis. Each semester that a student enrolls on a part-time basis increases time to degree by 0.22 years (2.6 months).
3. Graduating with degrees from the College of Engineering, the School of Education, and the School of Nursing. These schools/colleges have programs that have specialized accreditation and/or licensure requirements that increase the credits and requirements needed for graduation. Nursing also had a BSN completion program designed to be completed on a part-time basis. Students with degrees from these schools/colleges have average time-to-degree that more than a semester longer than other graduates.
4. Graduating with a majors in Science, Technology, Engineering, or Math (STEM). Graduating with at least one STEM majors adds .168 years (2 months) to time-to-degree compared to graduates without a STEM major. This is possibly related to the need for these majors to complete highly sequenced math and science requirements.
5. Failing courses. Completing courses with failing grades results in elapsed time without progress to degree requirements. Each credit not passed adds .064 years (.77 months) to time-to-degree. Not passing a five credit class is the equivalent of an extra semester in enrollment time.

Other variables have significant but more moderate or minimal effects to increasing time-to-degree. These include:

6. Attempting multiple majors. Each major ever declared, whether completed or not, adds .137 years (1.6 months) to time-to-degree.
7. Delayed major declaration. Students who delay declaring a major have increased time-to-degree. Each semester adds .053 years to time-to degree (.64 months per semester delayed). A student who declares a major for the first time in their senior year will have, on average, a time-to-degree equivalent to an additional semester.
8. Graduating with a degree from the School of Business. Graduates with degrees from the School of Business have slightly longer time-to-degree of .083 years (1 month).
9. Enrolling in summer terms. Students who enroll in summer terms have longer average time-to-degree. Each summer term enrolled increases time to degree by .062 years (.74 months).
10. Completing multiple majors. Time-to-degree for students who complete multiple majors increases by .075 years (.9 months) per additional major. This additional time is on top of the time already accounted for in attempting multiple majors.
11. Changing school/college homes. Changing schools and colleges is a signal of a change in degree program which carries with it a change in fundamental degree requirements. Each school/college change adds .092 years (1.1 months) to time- to-degree.
12. Studying abroad. Each semester spend away from UW-Madison in a study abroad program increases time to degree by .123 years (1.5 months).

13. Having financial need. Students with financial need (cost of attendance is greater than their expected family contribution) have increased time-to-degree. In this model financial need in and of itself appears to contribute very little to time-to-degree (.017 years per year of need). However many of the variables that are strongly related to increased time-to-degree, such as stopping out and enrolling part time, are much more common among students with financial need. The effect of these disruptions in enrollment have already been accounted for in the regression model.

Several variables are significant and associated with lower time-to-degree. These include:

14. Increasing the credits taken per semester. Each extra credit per semester that a student takes decreases time to degree by .126 years (1.5 months). Taking 15 credits per semester instead of an average of 12 reduces time-to-degree by the equivalent of a whole semester.
15. Using credits taken outside of UW-Madison. Students who bring credits to UW-Madison from courses taken at other institutions or that were awarded on the basis of tests have lower time-to-degree. Each credit awarded in this way reduces time to degree by .015 years (.18 months). The graduates in this analysis has an average of 18 non UW-Madison credits. On average, these had the effect of reducing their time-to-degree by 3 months.
16. Being female. Female students graduate faster than male students, even after controlling for the effects of the major choice variables in this model. Time-to-degree for female graduates is .056 years (.67 months) lower than for men.
17. Being a MN resident for tuition purposes. Student who pay the MN tuition reciprocity rate have lower time-to-degree than Wisconsin resident students. On average, Minnesota reciprocity students have time-to-degree .104 years (1.3 months) less than Wisconsin residents.
18. Being a non-resident for tuition purposes. Domestic non-resident students (non-international students) have lower time to degree than Wisconsin resident students. On average, domestic non-residents have time-to-degree .193 years (2.3 months) less than Wisconsin residents.

Several other variables were included in the regression model but were not significant predictors of time-to-degree. These variables include:

19. Graduating with a degree from the College of Agricultural and Life Sciences (CALs). Students graduating from CALS have similar time-to-degree compared to the comparison group of graduates from Letters and Science, Human Ecology, and Pharmacy.
20. Terms withdrawn. Withdrawing alone, in conjunction with the other variables in the model, was not a significant predictor of time-to-degree. This is probably because the effect of lowered credit accumulation is already being accounted for in the number of credits per term variable.
21. ACT/SAT score. Scores on standardized tests used in the admission process are not significant predictors of time-to-degree.
22. Math placement test score. We included the student's score on the algebra portion of the UW System Math Placement Test because this variable is strongly predictive of grades, particularly in math and science classes. It did not prove to be a significant predictor of time-to-degree. However, lower math-placing students in STEM majors may be one of the reason that having a STEM major is a significant predictor of increased time-to-degree.
23. Number of certificates completed. Completion of certificates in addition to majors does not add significant time to graduation.

24. Participation in cooperative education. Participation in cooperative education, a paid academic internship-like experience in industry, did not contribute significant time-to-degree.
25. Being a targeted minority student. Targeted minority students do have longer average time-to-degree but being a targeted minority student in and of itself did not contribute to longer time-to-degree after controlling for other variables in the regression model.
26. Being a first generation student. First generation students have longer average time-to-degree but being a first generation student in and of itself did not contribute to longer time-to-degree after controlling for other variables in the regression model.
27. Being an international student. Being an international student does not add significant time to graduation.
28. Having a Federal Pell Grant. Federal Pell Grants are for very low income students with high financial need. This factor alone was not a significant predictor of time-to-degree, possibly because the effect of having any financial need is already captured in the model (and is a significant predictor of longer time-to-degree).

## **Description of the Analysis, Variables, and Results**

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### **Analytic Population**

This analysis includes 10,183 UW-Madison undergraduates who completed bachelors degrees between the summer of 2012 and spring of 2014 (6 semesters). It includes graduates whose degrees for spring 2014 were posted by August 1, 2014. The group of graduates was limited to undergraduates who started as new freshmen and further limited to graduates whose time-to-degree was 20 years or less. This latter exclusion results in a model that is a better fit for typical undergraduates and excludes a very small number of extreme outliers. It is also consistent with reporting standards for time- to-degree.

### **Dependent Variable**

DV Elapsed Calendar Years: The time, in calendar years, between the first day of class in the student's first semester as a new freshman and the last day of their last semester. A traditional four academic year degree spans from September 1 of year 1 to mid-May of year 4. This 45 months or 3.74 years. Mean: 4.17, Mode: 3.74, Min: 1.72, Max: 19.33

### **Independent Variables**

#### **Enrollment and Academic Patterns**

1. Credits per Semester: A student's total credits taken at UW-Madison divided by the number of fall and spring semesters enrolled. Mean: 14.4, Mode: 15.0, Min: 4.1, Max: 19.2
2. Withdrawal terms: The number of fall and spring semesters that a student withdrew from UW-Madison. Mean: 0.1, Mode: 0.0, Min: 0.0, Max: 8.0
3. Number of stop outs: The number of times a student stopped out of UW-Madison for more than a semester, signaled by the number of terms they were readmitted. Mean: 0.1, Mode: 0.0, Min: 0.0, Max: 5.0

4. Summer terms: The number of summer enrolled. Mean: 0.9, Mode: 0.0, Min: 0.0, Max: 8.0
- 5-9. Degree school/college: The school/college home of the degree program the student completed. Degrees from the College of Agricultural and Life Sciences, Business, Education, Engineering, and Nursing were entered in the model separately. The omitted (comparison) group is mainly students who completed degree programs in the College of Letters and Science, as well as graduates from the School of Human Ecology and the School of Pharmacy.
10. Number of semesters to 1<sup>st</sup> declared major: The number of semesters between the first semester at UW-Madison and the semester when the student first declared a major that leads to a degree. Mean: 4.2, Mode: 4.0, Min: 1.0, Max: 20.0
11. Majors completed: The number of majors completed at the time of graduation. Mean: 1.3, Mode: 1.0, Min: 1.0, Max: 4.0
12. Certificates completed: The number of certificates completed at the time of graduation. Mean: 0.3, Mode: 0.0, Min: 0.0, Max: 2.0
13. Number of majors ever declared: The number of majors that lead to a degree that the student ever declared, whether or not they were completed at the time of graduation. Mean: 1.7, Mode: 1.0, Min: 1.0, Max: 9.0
14. Number of school/colleges (ever): The number of different school colleges that the student had as a primary academic group (degree home) as an undergraduate. This does not count additional majors that span schools and colleges. Mean: 1.4, Mode: 1.0, Min: 1.0, Max: 3.0
15. STEM Major Indicator: The number of majors completed in STEM fields (Science, Technology, Engineering, and Math). STEM majors were identified consistent with a recent APIR report on STEM activity (ask APIR for details if needed). These include majors in the agricultural and environmental sciences, computer sciences, engineering, biological sciences, physical sciences, medical sciences, mathematics and statistics, nursing, pharmacy, and health sciences. This variable is coded as 1 for students with at least one STEM major and 0 for students with no STEM majors at the time of graduation.
16. Number of credits not passed: The number of credits that resulted in an F or U grade. Mean: 1.0, Mode: 0.0, Min: 0.0, Max: 57.0
17. Number of part time semesters: The number of semesters enrolled with fewer than 12 credits. Mean: 0.6, Mode: 0.0, Min: 0.0, Max: 94.0

### Academic Preparation

18. Number of transfer credits: The number of credits transferred from courses taken at other institutions either while students were stopped out of UW-Madison, during the summer sessions at other institutions, or taken for credit prior to attending UW-Madison prior to enrolling as a new freshmen (for example, during high school). Mean: 4.1, Mode: 0.0, Min: 0.0, Max: 18.0
19. Number of test credits: The number of credits granted based on performance on Advanced Placement, International Baccalaureate, and CLEP tests. Mean: 14.1, Mode: 0.0, Min: 0.0, Max: 67.0
20. ACT/SAT score: The student's highest ACT composite score (possible scores range from 0-36). For students who only took the SAT, the SAT verbal + math scores were concorded to an ACT equivalent using a concordance table provided by the College Board. Mean: 28.2, Mode: 28.0, Min: 15.0, Max: 36.0
21. Algebra Placement Test Score: The student's score on the algebra component of the UW System Math Placement Test. Mean: 633.7, Mode: 850.0, Min: 150.0, Max: 850.0

### Co-curricular Participation

22. Study abroad semesters: The number of semesters that the student took courses in a UW-Madison study abroad program, signaled by enrollment in credits under Subject ZZZ (used as a placeholder for study abroad courses). Mean: 0.3, Mode: 0.0, Min: 0.0, Max: 4.0
23. Cooperative education semesters: The number of semesters that the student participated in cooperative education, signaled by enrollment in cooperative education courses. Mean: 0.1, Mode: 0.0, Min: 0.0, Max: 4.0

### Demographic

24. Gender: The student's gender, male or female. The omitted (comparison) group is male students. This variable is coded as 1 for female students and 0 for male students.
25. International student: An indication of whether the student is an international student, signaled by their citizenship status (not a citizen of the United States and not having permanent resident or refugee status). This variable is coded as 1 for international students and 0 for domestic students.
26. Targeted minority student: An indication of whether the student is a member of one of the domestic targeted minority groups (African American, Hispanic/Latino(a), American Indian, Southeast Asian). This variable is coded as 1 for targeted minority students and 0 for non-targeted students (White, unknown race, Asian other than Southeast Asian, Native Hawaiian/Pacific islander).

27. First generation student: An indication of whether the student is a first generation student. These are students who indicated at the time of application for admission that neither of their parents had earned a four-year college degree. This variable is coded as 1 first generation students and 0 for all other students.
- 28-29. Tuition residency: An indication of the student's residency for tuition purposes during the majority of their semesters as an undergraduate. Most students have a single residency. The omitted (comparison group) is Wisconsin residents. Variables in the regression model, entered separately, include MN reciprocity students and non-residents. This variable is coded as 1 for students with MN or non-residents status for tuition purposes and 0 for other students.

### **Financial Need**

30. Number of academic years with financial need: The number of academic years that the student applied for financial aid and was determined to have financial need (cost of attendance – expected family contribution >0). Mean: 1.8, Mode: 0.0, Min: 0.0, Max: 11.0
31. Number of academic years with Pell Grant: The number of academic years that the student was eligible for a federal Pell Grant (grants for very high need students). Mean: 0.6, Mode: 0.0, Min: 0.0, Max: 8.0

### **Variables Removed from the Regression Model**

- a. Drop terms: The number of semesters with dropped credits (classes dropped after the 10<sup>th</sup> day of class). This variable was removed from the regression model due to high collinearity with other variables.
- b. Dropped credits: The number of total credits that the student dropped after the 10<sup>th</sup> day of class. This variable was removed from the regression model due to high collinearity with other variables.
- c. Dropped courses: The number of total courses that the student dropped after the 10<sup>th</sup> day of class. This variable was removed from the regression model due to high collinearity with other variables.

### **Data Sources**

All data used in this analysis is from student records maintained by offices within the Division of Enrollment Management, including the offices of Undergraduate Admissions and Recruitment, Registrar, and Financial Aid. All data was retrieved by querying data tables and developing calculated variables using the following tables available in the InfoAccess service: Retention Awards Main, Retention Semester History, Retention Drop History, Retention Plan History, Student Academic Plan Attributes, Student Study Abroad, Retention Course History, Financial Aid Need Summary, Financial Aid Award, Retention Student, Undergraduate Recruitment Category, Student Test, and Student Undergraduate Applicant.

Table 1 shows significant predictors of time-to-degree for the overall group of UW-Madison graduates and for each school/college. Shaded down arrows (↓) indicate variables predict lower time-to-degree. Up arrows (↑) predict higher time-to-degree. Variables that do not have up or down arrows were not significant predictors for the group of graduates in each model.

**Table 1: Comparison of Significant Predictors of Time-to-Degree by School/College**

Variable and Number	All	CALS	BUS	EDU	EGR	HEC	L&S	NUR
1. Credits per semester	↓	↓	↓	↓	↓	↓	↓	
2. Withdraw semesters		↓		↑	↑	↑		↑
3. Number of stop outs	↑	↑	↑	↑	↑	↑	↑	↑
4. Summer terms enrolled	↑	↑	↑				↑	
10. # semesters to 1 <sup>st</sup> declared major	↑	↑		↑	↑	↑	↑	↑
11. Majors completed	↑	↑	↑	↑	↓		↑	↓
12. Certificates completed			↑					
13. # of majors ever declared	↑	↑	↑	↑	↑	↑	↑	↑
14. # of schools/colleges (ever)	↑		↑				↑	
15. STEM major indicator	↑	↑		↓			↑	
16. # of credits not passed	↑	↑	↑	↑	↑	↑	↑	↑
17. # of part-time semesters	↑	↑	↑	↑	↑	↑	↑	↑
18. # of transfer credits	↓	↓	↓	↓	↓		↓	
19. # of advanced standing test credits	↓	↓	↓	↓			↓	
20. ACT/SAT score		↑				↓		↓
21. UW algebra placement test score								
22. Study abroad semesters	↑	↑	↑	↑			↑	
23. Cooperative education semesters							↑	
24. Female student	↓		↓				↓	
25. International student			↑				↑	
26. Targeted minority student								
27. First generation student				↓	↑			
28. Tuition residency: Non-Resident	↓	↓	↓	↓	↓		↓	
29. Tuition residency: Minnesota reciprocity	↓	↓	↓				↓	
30. Number of years with financial need	↑		↑	↑			↑	
31. Number of years eligible for Pell Grant		↑					↑	

The following tables provide more details for all graduates and for each school/college. Tables include:

- The regression model for all graduates and for each school and college (Tables 2-9) including overall model fit, coefficient values, and significance testing.
- The variable means by number of semesters enrolled and the proportion of graduates in various demographic groups by number of semesters enrolled (Tables 10-17).



**Table 2: Linear Regression Model for Elapsed Calendar Years - All Graduates**

#	Variable	Coefficient (B)	t	p-value
	Constant	4.960	35.713	.000
1.	Credits per semester	-0.126	-15.685	.000
2.	Withdraw semesters	0.031	1.297	.196
3.	Number of stop outs	1.393	53.942	.000
4.	Summer terms enrolled	.062	6.834	.000
5.	Degree in CALS	.032	1.177	.239
6.	Degree in Business	.083	2.784	.005
7.	Degree in Education	.532	17.703	.000
8.	Degree in Engineering	.503	16.006	.000
9.	Degree in Nursing	.761	13.745	.000
10.	Number of semesters to 1 <sup>st</sup> declared major	.053	12.380	.000
11.	Majors completed	.075	3.775	.000
12.	Certificates completed	.032	1.932	.053
13.	Number of majors ever declared	.137	10.866	.000
14.	Number of schools/colleges (ever)	.092	5.532	.000
15.	STEM major indicator	.168	8.074	.000
16.	Number of credits not passed	.064	24.308	.000
17.	Number of part-time semesters	.223	22.440	.000
18.	Number of transfer credits	-.015	-14.561	.000
19.	Number of advanced standing test credits	-.012	-16.922	.000
20.	ACT/SAT score	.001	.236	.813
21.	UW algebra placement test score	.000	.230	.818
22.	Study abroad semesters	.123	8.682	.000
23.	Cooperative education semesters	.035	1.622	.105
24.	Female student	-.056	-3.547	.000
25.	International student	.076	1.949	.051
26.	Targeted minority student	.022	.763	.446
27.	First generation student	.004	.179	.858
28.	Tuition residency: Non-Resident	-.193	-10.048	.000
29.	Tuition residency: Minnesota reciprocity	-.104	-4.520	.000
30.	Number of years with financial need	.017	3.404	.001
31.	Number of years eligible for Pell Grant	.012	1.748	.081

Overall model fit:  $R^2 = .585$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

**Table 3: Linear Regression Model for Elapsed Calendar Years - Agricultural and Life Sciences**

#	Variable	Coefficient (B)	t	p-value
	Constant	4.794	12.838	.000
1.	Credits per semester	-.126	-5.619	.000
2.	Withdraw semesters	-.153	-2.281	.000
3.	Number of stop outs	1.645	20.697	.000
4.	Summer terms enrolled	.085	3.676	.000
5.	Degree in CALS			
6.	Degree in Business			
7.	Degree in Education			
8.	Degree in Engineering			
9.	Degree in Nursing			
10.	Number of semesters to 1 <sup>st</sup> declared major	.050	4.155	.000
11.	Majors completed	.160	2.451	.014
12.	Certificates completed	.019	.410	.682
13.	Number of majors ever declared	.090	2.996	.003
14.	Number of schools/colleges (ever)	-.068	-1.502	.133
15.	STEM major indicator	.237	3.843	.000
16.	Number of credits not passed	.049	7.056	.000
17.	Number of part-time semesters	.301	11.839	.000
18.	Number of transfer credits	-.009	-3.467	.001
19.	Number of advanced standing test credits	-.015	-7.582	.000
20.	ACT/SAT score	.017	2.004	.045
21.	UW algebra placement test score	.000	-.574	.566
22.	Study abroad semesters	.119	2.589	.010
23.	Cooperative education semesters	.031	.737	.461
24.	Female student	-.043	-1.133	.257
25.	International student	.005	.042	.967
26.	Targeted minority student	-.071	-.936	.350
27.	First generation student	-.036	-.732	.464
28.	Tuition residency: Non-Resident	-.163	-3.028	.003
29.	Tuition residency: Minnesota reciprocity	-.181	-3.017	.003
30.	Number of years with financial need	.010	.879	.380
31.	Number of years eligible for Pell Grant	.042	2.453	.014

Overall model fit:  $R^2=.620$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

Variables with missing data were not considered in the regression model because the variables are constant or have missing correlations.

**Table 4: Linear Regression Model for Elapsed Calendar Years - Business**

#	Variable	Coefficient (B)	t	p-value
	Constant	4.948	19.149	.000
1.	Credits per semester	-.118	-8.401	.000
2.	Withdraw semesters	.087	1.846	.065
3.	Number of stop outs	.858	16.519	.000
4.	Summer terms enrolled	.032	2.036	.042
5.	Degree in CALS			
6.	Degree in Business			
7.	Degree in Education			
8.	Degree in Engineering			
9.	Degree in Nursing			
10.	Number of semesters to 1 <sup>st</sup> declared major	.108	10.292	.000
11.	Majors completed	.132	4.512	.000
12.	Certificates completed	.128	4.265	.000
13.	Number of majors ever declared	.106	4.656	.000
14.	Number of schools/colleges (ever)	.049	1.023	.306
15.	STEM major indicator			
16.	Number of credits not passed	.074	8.792	.000
17.	Number of part-time semesters	.113	5.072	.000
18.	Number of transfer credits	-.012	-7.472	.000
19.	Number of advanced standing test credits	-.009	-7.761	.000
20.	ACT/SAT score	-.005	-.766	.444
21.	UW algebra placement test score	.000	-.755	.450
22.	Study abroad semesters	.212	8.810	.000
23.	Cooperative education semesters	-.082	-.315	.753
24.	Female student	-.073	-3.010	.003
25.	International student	.179	3.525	.000
26.	Targeted minority student	.024	.453	.651
27.	First generation student	.016	.417	.677
28.	Tuition residency: Non-Resident	-.141	-4.623	.000
29.	Tuition residency: Minnesota reciprocity	-.075	-2.175	.030
30.	Number of years with financial need	.024	2.866	.004
31.	Number of years eligible for Pell Grant	.017	1.224	.221

Overall model fit:  $R^2=.584$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

Variables with missing data were not considered in the regression model because the variables are constant or have missing correlations.

**Table 5: Linear Regression Model for Elapsed Calendar Years - Education**

#	Variable	Coefficient (B)	t	p-value
	Constant	5.032	9.153	.000
1.	Credits per semester	-.131	-4.030	.000
2.	Withdraw semesters	.199	2.500	.013
3.	Number of stop outs	1.518	13.129	.000
4.	Summer terms enrolled	-.010	-.295	.768
5.	Degree in CALS			
6.	Degree in Business			
7.	Degree in Education			
8.	Degree in Engineering			
9.	Degree in Nursing			
10.	Number of semesters to 1 <sup>st</sup> declared major	.123	8.330	.000
11.	Majors completed	.453	8.331	.000
12.	Certificates completed	-.019	-.244	.807
13.	Number of majors ever declared	.453	8.331	.000
14.	Number of schools/colleges (ever)	.073	1.445	.149
15.	STEM major indicator	-.145	-2.214	.027
16.	Number of credits not passed	.022	2.077	.038
17.	Number of part-time semesters	.152	4.158	.000
18.	Number of transfer credits	-.028	-6.752	.000
19.	Number of advanced standing test credits	-.014	-4.362	.000
20.	ACT/SAT score	-.004	-.342	.733
21.	UW algebra placement test score	.001	1.677	.094
22.	Study abroad semesters	.136	2.187	.029
23.	Cooperative education semesters			
24.	Female student	-.004	-.056	.955
25.	International student	.599	1.165	.245
26.	Targeted minority student	.068	.629	.530
27.	First generation student	-.169	-2.248	.025
28.	Tuition residency: Non-Resident	-.346	-4.136	.000
29.	Tuition residency: Minnesota reciprocity	-.120	-1.273	.204
30.	Number of years with financial need	.033	2.077	.038
31.	Number of years eligible for Pell Grant	-.021	-.925	.355

Overall model fit:  $R^2=.601$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

Variables with missing data were not considered in the regression model because the variables are constant or have missing correlations.

**Table 6: Linear Regression Model for Elapsed Calendar Years - Engineering**

#	Variable	Coefficient (B)	t	p-value
	Constant	4.973	10.582	.000
1.	Credits per semester	-.069	-2.723	.007
2.	Withdraw semesters	.241	2.846	.005
3.	Number of stop outs	1.849	16.176	.000
4.	Summer terms enrolled	.004	.121	.904
5.	Degree in CALS			
6.	Degree in Business			
7.	Degree in Education			
8.	Degree in Engineering			
9.	Degree in Nursing			
10.	Number of semesters to 1 <sup>st</sup> declared major	.097	4.184	.000
11.	Majors completed	-.357	-3.343	.001
12.	Certificates completed	.110	1.726	.085
13.	Number of majors ever declared	.361	5.140	.000
14.	Number of schools/colleges (ever)	.062	.986	.324
15.	STEM major indicator			
16.	Number of credits not passed	.056	4.411	.000
17.	Number of part-time semesters	.344	9.030	.000
18.	Number of transfer credits	-.010	-2.614	.009
19.	Number of advanced standing test credits	-.008	-4.150	.000
20.	ACT/SAT score	.007	.665	.506
21.	UW algebra placement test score	-.001	-1.729	.084
22.	Study abroad semesters	.086	1.635	.102
23.	Cooperative education semesters	-.002	-.043	.965
24.	Female student	-.086	-1.470	.142
25.	International student	-.115	-.970	.332
26.	Targeted minority student	.184	1.603	.109
27.	First generation student	.214	3.194	.001
28.	Tuition residency: Non-Resident	-.171	-2.345	.019
29.	Tuition residency: Minnesota reciprocity	-.049	-.781	.435
30.	Number of years with financial need	-.015	-1.079	.281
31.	Number of years eligible for Pell Grant	-.003	-.120	.904

Overall model fit:  $R^2=.607$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

Variables with missing data were not considered in the regression model because the variables are constant or have missing correlations.

**Table 7: Linear Regression Model for Elapsed Calendar Years - Human Ecology**

#	Variable	Coefficient (B)	t	p-value
	Constant	6.669	12.637	.000
1.	Credits per semester	-.200	-6.191	.000
2.	Withdraw semesters	.407	3.723	.000
3.	Number of stop outs	1.070	10.546	.000
4.	Summer terms enrolled	.032	1.047	.296
5.	Degree in CALS			
6.	Degree in Business			
7.	Degree in Education			
8.	Degree in Engineering			
9.	Degree in Nursing			
10.	Number of semesters to 1 <sup>st</sup> declared major	.100	5.673	.000
11.	Majors completed	.204	1.605	.109
12.	Certificates completed	-.002	-.034	.973
13.	Number of majors ever declared	.092	1.310	.191
14.	Number of schools/colleges (ever)	-.117	-1.837	.067
15.	STEM major indicator	.319	1.228	.220
16.	Number of credits not passed	.344	2.800	.006
17.	Number of part-time semesters	.329	2.823	.005
18.	Number of transfer credits	.016	1.516	.131
19.	Number of advanced standing test credits	-.003	-.267	.790
20.	ACT/SAT score	-.087	-2.027	.044
21.	UW algebra placement test score	.000	2.76	.783
22.	Study abroad semesters	-.046	-.236	.814
23.	Cooperative education semesters	-.555	-.484	.629
24.	Female student	.001	.002	.998
25.	International student			
26.	Targeted minority student	-.289	-.780	.436
27.	First generation student	.154	.706	.481
28.	Tuition residency: Non-Resident	.345	1.219	.224
29.	Tuition residency: Minnesota reciprocity	.104	.434	.664
30.	Number of years with financial need	.070	1.329	.186
31.	Number of years eligible for Pell Grant	-.082	-.976	.331

Overall model fit:  $R^2=.540$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

Variables with missing data were not considered in the regression model because the variables are constant or have missing correlations.

**Table 8: Linear Regression Model for Elapsed Calendar Years - Letters and Science**

#	Variable	Coefficient (B)	t	p-value
	Constant	5.115	26.592	.000
1.	Credits per semester	-.128	-11.804	.000
2.	Withdraw semesters	.004	.117	.907
3.	Number of stop outs	1.196	36.338	.000
4.	Summer terms enrolled	.066	5.152	.000
5.	Degree in CALS			
6.	Degree in Business			
7.	Degree in Education			
8.	Degree in Engineering			
9.	Degree in Nursing			
10.	Number of semesters to 1 <sup>st</sup> declared major	.052	8.896	.000
11.	Majors completed	.109	4.357	.000
12.	Certificates completed	.029	1.272	.203
13.	Number of majors ever declared	.072	4.403	.000
14.	Number of schools/colleges (ever)	.066	2.478	.013
15.	STEM major indicator	.186	7.579	.000
16.	Number of credits not passed	.076	23.994	.000
17.	Number of part-time semesters	.185	14.275	.000
18.	Number of transfer credits	-.017	-11.656	.000
19.	Number of advanced standing test credits	-.013	-12.974	.000
20.	ACT/SAT score	-.002	-.401	.689
21.	UW algebra placement test score	.000	1.384	.186
22.	Study abroad semesters	.103	5.809	.000
23.	Cooperative education semesters	.320	2.280	.023
24.	Female student	-.052	-2.433	.015
25.	International student	.116	2.199	.028
26.	Targeted minority student	.027	.750	.453
27.	First generation student	-.047	-1.623	.105
28.	Tuition residency: Non-Resident	-.175	-7.019	.000
29.	Tuition residency: Minnesota reciprocity	-.097	-2.966	.003
30.	Number of years with financial need	.016	2.323	.020
31.	Number of years eligible for Pell Grant	.019	1.939	.050

Overall model fit:  $R^2=.592$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

Variables with missing data were not considered in the regression model because the variables are constant or have missing correlations.

**Table 9: Linear Regression Model for Elapsed Calendar Years - Nursing**

#	Variable	Coefficient (B)	t	p-value
	Constant	6.487	3.450	.001
1.	Credits per semester	-.167	-1.476	.142
2.	Withdraw semesters	.931	2.347	.020
3.	Number of stop outs	1.699	7.877	.000
4.	Summer terms enrolled	.010	.074	.941
5.	Degree in CALS			
6.	Degree in Business			
7.	Degree in Education			
8.	Degree in Engineering			
9.	Degree in Nursing			
10.	Number of semesters to 1 <sup>st</sup> declared major	.260	4.676	.000
11.	Majors completed	-1.322	-2.618	.010
12.	Certificates completed	-.023	-.081	.935
13.	Number of majors ever declared	1.392	6.440	.000
14.	Number of schools/colleges (ever)	.255	1.572	.118
15.	STEM major indicator			
16.	Number of credits not passed	.344	2.800	.006
17.	Number of part-time semesters	.329	2.823	.005
18.	Number of transfer credits	.016	1.516	.131
19.	Number of advanced standing test credits	-.003	-.267	.790
20.	ACT/SAT score	-.087	-2.027	.044
21.	UW algebra placement test score	.000	.276	.783
22.	Study abroad semesters	-.046	-.236	.814
23.	Cooperative education semesters	-.555	-.484	.629
24.	Female student	.001	.002	.998
25.	International student			
26.	Targeted minority student	-.289	-.780	.436
27.	First generation student	.154	.706	.481
28.	Tuition residency: Non-Resident	.345	1.219	.224
29.	Tuition residency: Minnesota reciprocity	.104	.434	.664
30.	Number of years with financial need	.070	1.329	.186
31.	Number of years eligible for Pell Grant	-.082	-.976	.331

Overall model fit:  $R^2=.767$

Shading indicates independent variables that are significant at the  $p \leq .05$  level.

Variables with missing data were not considered in the regression model because the variables are constant or have missing correlations.



**Table 10: Variable Means by Number of Fall/Spring Semesters Enrolled – All Graduates**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	286	789	5,747	1,410	1,542	180	117	112	10,183
2.	Credits per semester	15.7	14.7	14.6	14.3	13.8	13.1	13.2	10.9	14.4
3.	Withdraw semesters	0.0	0.0	0.0	0.1	0.1	0.4	0.5	1.4	0.1
4.	Number of stop outs	0.2	0.4	0.0	0.1	0.1	0.3	0.5	1.0	0.1
5.	Summer terms enrolled	0.8	0.7	0.8	1.1	1.1	1.4	1.6	2.4	0.9
6.	Number of semesters to 1 <sup>st</sup> major	3.0	3.5	3.9	4.7	5.0	5.6	6.3	6.7	4.2
7.	Majors completed	1.3	1.3	1.4	1.3	1.3	1.2	1.2	1.2	1.3
8.	Certificates completed	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.1	0.3
9.	Number of majors ever declared	1.6	1.6	1.7	1.7	1.7	1.7	2.0	2.0	1.7
10.	Number of schools/colleges (ever)	1.2	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.4
11.	Number of credits not passed	0.4	0.3	0.4	1.4	1.6	4.7	5.8	9.4	1.0
12.	Number of part-time semesters	0.2	0.3	0.3	0.6	1.0	1.7	2.1	5.6	0.6
13.	Number of transfer credits	13.5	9.2	3.7	3.3	2.5	3.3	3.0	4.0	4.1
14.	Number of adv. standing test credits	23.7	17.0	15.0	11.1	11.5	12.2	7.9	5.8	14.1
15.	ACT/SAT score	29.6	28.8	28.5	27.7	27.5	27.4	27.3	26.6	28.2
16.	Study abroad semesters	0.2	0.2	0.3	0.3	0.3	0.3	0.1	0.1	0.3
17.	Cooperative education semesters	0.0	0.0	0.0	0.1	0.3	0.3	0.2	0.1	0.1
18.	Number of years with financial need	1.4	1.4	1.5	2.0	2.3	2.8	3.1	3.8	1.8
19.	Number of years eligible for Pell Grant	0.3	0.4	0.4	0.7	1.0	1.3	1.6	2.0	0.6

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	Female student (n=5565)	3.0	9.3	60.7	11.7	12.2	1.4	0.9	0.9	100.0
22.	International student (n=570)	5.3	10.5	56.3	16.0	8.9	2.1	0.7	0.2	100.0
23.	Targeted minority student (n=937)	2.0	3.7	45.4	16.0	24.2	3.1	3.0	2.6	100.0
24.	First generation student (n=1905)	2.4	5.0	50.5	16.0	20.4	2.4	1.5	1.9	100.0
25.	Tuition: Non-resident (n=2706)	2.9	13.1	61.1	10.7	9.6	1.4	0.7	0.6	100.0
26.	Tuition: Minnesota reciprocity (n=1295)	4.1	7.9	58.6	13.6	13.6	1.3	0.6	0.3	100.0
27.	Tuition: WI resident (n=6182)	2.5	5.4	54.0	15.3	17.9	2.0	0.5	1.5	100.0

**Table 11: Variable Means by Number of Fall/Spring Semesters Enrolled – Agricultural and Life Sciences**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	32	102	827	178	162	19	15	12	1,347
2.	Credits per semester	15.8	14.7	14.6	14.2	13.6	12.2	12.9	11.4	14.4
3.	Withdraw semesters	0.0	0.0	0.0	0.1	0.2	0.8	0.3	0.4	0.1
4.	Number of stop outs	0.2	0.2	0.0	0.0	0.1	0.3	0.8	1.1	0.1
5.	Summer terms enrolled	0.7	0.8	0.8	1.1	1.1	1.3	2.3	1.9	0.9
6.	Number of semesters to 1 <sup>st</sup> major	2.2	2.9	3.0	3.9	4.6	4.4	6.6	5.4	3.4
7.	Majors completed	1.0	1.1	1.2	1.2	1.2	1.2	1.1	1.2	1.2
8.	Certificates completed	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3
9.	Number of majors ever declared	1.4	1.7	1.8	1.7	1.7	2.0	1.6	2.7	1.8
10.	Number of schools/colleges (ever)	1.5	1.7	1.6	1.7	1.8	1.7	1.9	1.9	1.7
11.	Number of credits not passed	0.0	0.4	0.4	1.5	1.9	8.2	9.4	4.2	0.9
12.	Number of part-time semesters	0.0	0.2	0.2	0.6	1.0	2.7	2.9	6.1	0.5
13.	Number of transfer credits	14.6	8.4	3.8	2.9	3.0	3.6	4.4	4.3	4.2
14.	Number of adv. standing test credits	23.5	19.0	14.5	8.8	10.7	14.5	7.5	4.1	13.7
15.	ACT/SAT score	29.4	29.4	28.4	26.9	27.4	27.3	27.1	28.1	28.1
16.	Study abroad semesters	0.2	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.2
17.	Cooperative education semesters	0.3	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.2
18.	Number of years with financial need	1.2	1.6	1.8	2.2	2.3	2.8	2.8	3.3	2.0
19.	Number of years eligible for Pell Grant	0.3	0.3	0.5	1.0	0.9	1.5	1.6	1.2	0.6

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All UW-Madison graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	All CALS graduates (n=1347)	2.4	7.6	61.4	13.2	12.0	1.4	1.1	0.9	100.0
22.	Female student (n=795)	2.5	9.2	65.9	10.8	10.2	0.9	0.6	0.9	100.0
23.	International student (n=60)	5.0	10.0	58.3	10.0	10.0	1.7	5.0	0.0	100.0
24.	Targeted minority student (n=102)	2.0	2.9	52.0	19.6	16.7	2.9	2.9	1.0	100.0
25.	First generation student (n=296)	1.4	4.1	56.4	17.9	15.9	2.0	1.0	1.4	100.0
26.	Tuition: Non-resident (n=267)	3.0	10.1	63.3	11.2	9.4	1.5	1.5	0.0	100.0
27.	Tuition: Minnesota reciprocity (n=159)	1.3	11.9	62.9	10.7	11.9	0.6	0.6	0.0	100.0
28.	Tuition: WI resident (n=921)	2.3	6.1	60.7	14.2	12.8	1.5	1.1	1.3	100.0

**Table 12: Variable Means by Number of Fall/Spring Semesters Enrolled - Business**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	15	78	724	149	92	5	1	2	1,066
2.	Credits per semester	15.3	14.7	14.5	14.5	14.0	12.9			14.5
3.	Withdraw semesters	0.0	0.0	0.0	0.0	0.1	0.4			0.1
4.	Number of stop outs	0.1	0.3	0.0	0.1	0.0	0.0			0.1
5.	Summer terms enrolled	0.7	0.6	0.7	0.9	1.0	1.4			0.8
6.	Number of semesters to 1 <sup>st</sup> major	3.5	3.3	3.4	4.1	4.1	6.0			3.6
7.	Majors completed	1.3	1.5	1.5	1.8	2.0	2.0			1.6
8.	Certificates completed	0.1	0.3	0.3	0.3	0.3	0.3			0.3
9.	Number of majors ever declared	1.5	1.8	1.8	2.2	2.5	2.4			1.9
10.	Number of schools/colleges (ever)	2.0	2.0	2.0	2.1	2.1	2.2			2.0
11.	Number of credits not passed	0.2	0.0	0.2	0.3	0.8	1.2			0.2
12.	Number of part-time semesters	0.3	0.2	0.4	0.3	0.4	2.0			0.4
13.	Number of transfer credits	21.7	11.1	5.2	3.4	2.8	4.6			5.4
14.	Number of adv. standing test credits	22.6	17.7	15.3	10.8	10.9	9.6			14.5
15.	ACT/SAT score	30.3	29.3	28.7	27.9	27.9	28.8			28.6
16.	Study abroad semesters	0.1	0.1	0.4	0.5	0.5	1.0			0.4
17.	Cooperative education semesters	0.0	0.0	0.0	0.0	0.0	0.0			0.0
18.	Number of years with financial need	1.2	0.9	1.1	1.6	1.8	2.0			1.2
19.	Number of years eligible for Pell Grant	0.1	0.3	0.2	0.5	0.7	0.2			0.3

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All UW-Madison graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	All Business graduates (n=1066)	1.4	7.3	67.9	14.0	8.6	0.5	0.1	0.2	100.0
22.	Female student (n=495)	1.8	7.9	70.5	13.3	6.3	0.2	0.0	0.0	100.0
23.	International student (n=126)	3.2	10.3	65.9	13.5	6.3	0.8	0.0	0.0	100.0
24.	Targeted minority student (n=56)	1.8	5.4	51.8	25.0	12.5	0.0	1.8	1.8	100.0
25.	First generation student (n=125)	0.8	4.8	63.2	28.8	9.6	0.0	0.8	0.0	100.0
26.	Tuition: Non-resident (n=372)	1.3	9.9	73.1	9.1	5.9	0.3	0.0	0.3	100.0
27.	Tuition: Minnesota reciprocity (n=172)	2.9	5.2	72.7	11.6	9.4	0.6	0.0	0.6	100.0
28.	Tuition: WI resident (n=522)	1.0	6.1	62.6	18.2	11.3	0.6	0.2	0.0	100.0

\*Figures are not shown when the number of graduates is fewer than 5.

**Table 13: Variable Means by Number of Fall/Spring Semesters Enrolled - Education**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	6	32	251	131	228	33	19	19	719
2.	Credits per semester	16.3	14.9	15.1	14.8	14.5	14.4	14.5	11.9	14.7
3.	Withdraw semesters	0.0	0.0	0.0	0.1	0.1	0.2	0.1	1.6	0.1
4.	Number of stop outs	0.3	0.3	0.0	0.1	0.0	0.0	0.1	0.7	0.1
5.	Summer terms enrolled	1.3	0.8	0.9	1.1	0.9	1.2	0.8	2.8	1.0
6.	Number of semesters to 1 <sup>st</sup> major	2.8	4.2	4.4	5.2	5.3	6.2	7.1	6.3	5.0
7.	Majors completed	1.0	1.0	1.1	1.1	1.2	1.1	1.6	1.2	1.1
8.	Certificates completed	0.0	0.1	0.2	0.1	0.3	0.2	0.5	0.3	0.2
9.	Number of majors ever declared	1.2	1.2	1.3	1.3	1.5	1.6	2.4	2.2	1.4
10.	Number of schools/colleges (ever)	1.2	1.5	1.5	1.6	1.6	1.7	1.8	2.1	1.6
11.	Number of credits not passed	0.0	0.2	0.2	0.7	0.5	0.7	0.2	7.5	0.6
12.	Number of part-time semesters	0.0	0.2	0.2	0.2	0.4	0.6	0.4	5.0	0.4
13.	Number of transfer credits	18.8	12.2	4.1	4.6	2.7	2.9	3.6	4.4	4.2
14.	Number of adv. standing test credits	17.2	14.7	11.9	12.1	11.1	10.7	9.1	4.2	11.5
15.	ACT/SAT score	28.3	28.5	27.4	27.2	27.1	25.7	26.8	26.1	27.2
16.	Study abroad semesters	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.1	0.2
17.	Cooperative education semesters	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.	Number of years with financial need	2.2	1.3	1.9	2.3	2.4	3.2	2.6	5.1	2.2
19.	Number of years eligible for Pell Grant	0.8	0.2	0.5	0.7	0.9	1.3	1.0	2.6	0.8

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All UW-Madison graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	All Education graduates (n=719)	0.8	4.5	34.9	18.2	31.7	4.6	2.6	2.6	100.0
22.	Female student (n=546)	0.7	4.8	37.2	16.5	31.3	4.6	2.2	2.7	100.0
23.	International student (n=4)									100.0
24.	Targeted minority student (n=69)	1.4	0.0	30.4	17.4	34.8	7.2	2.9	5.8	100.0
25.	First generation student (n=153)	1.3	2.0	31.4	20.3	31.4	7.8	1.3	4.6	100.0
26.	Tuition: Non-resident (n=100)	1.0	10.0	46.0	13.0	27.0	2.0	0.0	1.0	100.0
27.	Tuition: Minnesota reciprocity (n=69)	1.4	2.9	49.3	21.7	20.3	4.3	0.0	0.0	100.0
28.	Tuition: WI resident (n=550)	0.7	3.6	31.1	18.8	33.9	5.1	3.5	3.3	100.0

**Table 14: Variable Means by Number of Fall/Spring Semesters Enrolled - Engineering**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	5	12	350	275	403	55	23	13	1,136
2.	Credits per semester	18.0	16.6	15.3	14.4	13.6	13.3	12.8	11.5	14.3
3.	Withdraw semesters	0.0	0.1	0.0	0.0	0.1	0.2	0.5	1.4	0.1
4.	Number of stop outs	0.2	0.3	0.0	0.0	0.0	0.2	0.3	1.1	0.1
5.	Summer terms enrolled	1.0	1.3	0.9	1.1	1.1	1.4	1.7	2.2	1.1
6.	Number of semesters to 1 <sup>st</sup> major	3.8	3.8	3.7	4.2	4.3	4.7	5.2	4.9	4.1
7.	Majors completed	1.2	1.2	1.2	1.2	1.1	1.1	1.2	1.0	1.2
8.	Certificates completed	0.4	0.2	0.3	0.4	0.2	0.3	0.4	0.1	0.3
9.	Number of majors ever declared	1.2	1.3	1.3	1.3	1.2	1.4	1.7	1.5	1.3
10.	Number of schools/colleges (ever)	1.2	1.1	1.1	1.2	1.2	1.4	1.4	1.4	1.2
11.	Number of credits not passed	0.4	1.2	0.2	0.5	0.5	2.3	3.7	7.2	0.7
12.	Number of part-time semesters	0.0	0.3	0.2	0.5	1.0	1.4	2.4	4.5	0.7
13.	Number of transfer credits	7.6	5.3	4.5	3.7	2.2	2.3	1.6	3.9	3.3
14.	Number of adv. standing test credits	39.6	18.9	22.1	15.6	14.4	13.8	10.4	6.5	17.0
15.	ACT/SAT score	32.2	30.7	30.2	29.4	28.6	28.4	29.0	27.8	29.3
16.	Study abroad semesters	0.0	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
17.	Cooperative education semesters	0.0	0.3	0.2	0.6	0.8	1.0	0.5	0.5	0.6
18.	Number of years with financial need	0.6	1.7	1.3	1.7	1.8	2.4	3.0	2.7	1.7
19.	Number of years eligible for Pell Grant	0.0	0.1	0.3	0.5	0.5	1.0	1.7	1.5	0.5

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All UW-Madison graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	All Engineering graduates (n=1136)	0.4	1.1	30.8	24.2	35.5	4.8	2.0	1.1	100.0
22.	Female student (n=243)	0.4	0.8	39.1	23.9	27.6	6.2	2.1	0.0	100.0
23.	International student (n=86)	0.0	4.7	48.8	26.7	17.4	2.3	0.0	0.0	100.0
24.	Targeted minority student (n=49)	0.0	0.0	16.3	24.4	46.9	8.2	6.1	2.0	100.0
25.	First generation student (n=184)	0.0	0.5	21.2	22.8	44.0	6.5	2.2	2.7	100.0
26.	Tuition: Non-resident (n=223)	0.4	1.8	47.5	22.9	21.1	4.0	1.8	0.4	100.0
27.	Tuition: Minnesota reciprocity (n=204)	1.0	0.5	27.0	28.4	36.3	4.9	1.5	0.5	100.0
28.	Tuition: WI resident (n=709)	0.3	1.0	26.7	23.4	39.8	5.1	2.3	1.6	100.0

\*Figures are not shown when the number of graduates is fewer than 5.

**Table 15: Variable Means by Number of Fall/Spring Semesters Enrolled – Human Ecology**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	6	42	236	63	53	2	1	1	404
2.	Credits per semester	15.4	14.4	14.5	14.1	13.3				14.3
3.	Withdraw semesters	0.0	0.1	0.0	0.0	0.2				0.1
4.	Number of stop outs	0.2	0.7	0.0	0.1	0.1				0.1
5.	Summer terms enrolled	0.8	1.0	1.0	1.6	1.4				1.1
6.	Number of semesters to 1 <sup>st</sup> major	2.3	2.1	3.0	4.0	4.2				3.2
7.	Majors completed	1.0	1.0	1.1	1.1	1.2				1.1
8.	Certificates completed	0.2	0.3	0.4	0.3	0.3				0.3
9.	Number of majors ever declared	1.1	1.1	1.3	1.4	1.4				1.3
10.	Number of schools/colleges (ever)	1.7	1.6	1.8	2.0	1.8				1.8
11.	Number of credits not passed	0.0	0.4	0.4	1.5	1.9				0.8
12.	Number of part-time semesters	0.3	0.5	0.3	0.6	1.2				0.5
13.	Number of transfer credits	28.0	14.1	3.2	2.8	2.3				4.5
14.	Number of adv. standing test credits	11.3	9.1	9.8	5.5	4.7				8.4
15.	ACT/SAT score	27.2	27.3	26.7	25.3	24.2				26.2
16.	Study abroad semesters	0.2	0.1	0.3	0.2	0.2				0.2
17.	Cooperative education semesters	0.3	0.3	0.2	0.1	0.3				0.2
18.	Number of years with financial need	2.0	1.3	1.7	2.5	2.8				1.9
19.	Number of years eligible for Pell Grant	0.0	0.5	0.5	1.1	1.9				0.8

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All UW-Madison graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	All Human Ecology graduates (n=404)	1.5	10.4	58.4	15.6	13.1	0.5	0.2	0.2	100.0
22.	Female student (n=330)	1.8	12.4	60.0	13.0	11.8	0.3	0.3	0.3	100.0
23.	International student (n=8)	0.0	12.5	25.0	12.5	50.0	0.0	0.0	0.0	100.0
24.	Targeted minority student (n=73)	0.0	1.4	41.1	23.3	28.8	2.7	1.4	1.4	100.0
25.	First generation student (n=108)	1.9	5.6	47.2	21.3	21.3	1.9	0.0	0.9	100.0
26.	Tuition: Non-resident (n=119)	0.8	19.3	52.9	10.1	16.0	0.0	0.0	0.8	100.0
27.	Tuition: Minnesota reciprocity (n=37)	2.7	13.5	56.8	18.9	8.1	0.0	0.0	0.0	100.0
28.	Tuition: WI resident (n=248)	1.6	5.6	61.3	17.7	12.5	0.8	0.4	0.0	100.0

\*Figures are not shown when the number of graduates is fewer than 5.

**Table 16: Variable Means by Number of Fall/Spring Semesters Enrolled – Letters and Science**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	219	523	3,226	611	534	64	39	53	5,269
2.	Credits per semester	15.6	14.7	14.5	13.9	13.6	12.9	12.4	10.5	14.3
3.	Withdraw semesters	0.1	0.0	0.0	0.1	0.2	0.7	0.8	1.7	0.1
4.	Number of stop outs	0.2	0.4	0.0	0.2	0.1	0.7	0.6	1.0	0.1
5.	Summer terms enrolled	0.8	0.7	0.7	1.0	1.2	1.6	1.6	2.4	0.9
6.	Number of semesters to 1 <sup>st</sup> major	3.1	3.7	4.2	5.3	5.7	6.3	7.1	7.9	4.4
7.	Majors completed	1.4	1.3	1.4	1.4	1.5	1.3	1.2	1.3	1.4
8.	Certificates completed	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.3
9.	Number of majors ever declared	1.7	1.6	1.7	1.8	1.9	1.8	1.9	1.8	1.8
10.	Number of schools/colleges (ever)	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.5	1.2
11.	Number of credits not passed	0.5	0.3	0.6	2.2	3.2	8.1	10.8	13.7	1.3
12.	Number of part-time semesters	0.2	0.3	0.4	0.8	1.3	2.1	3.2	6.6	0.6
13.	Number of transfer credits	12.3	8.6	3.2	3.0	2.6	4.2	1.4	2.8	4.0
14.	Number of adv. standing test credits	24.1	17.2	14.9	10.3	10.3	11.6	7.6	7.0	14.4
15.	ACT/SAT score	29.6	28.7	28.5	27.5	27.0	27.5	27.1	26.3	28.3
16.	Study abroad semesters	0.2	0.3	0.4	0.4	0.3	0.3	0.1	0.2	0.4
17.	Cooperative education semesters	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
18.	Number of years with financial need	1.4	1.4	1.5	2.0	2.7	3.0	3.7	3.3	1.7
19.	Number of years eligible for Pell Grant	0.3	0.4	0.5	0.8	1.4	1.6	2.2	2.1	0.6

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All UW-Madison graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	All L&S graduates (n=5269)	4.2	9.9	61.2	11.6	10.1	1.2	0.7	1.0	100.0
22.	Female student (n=2953)	4.2	11.6	64.3	10.4	7.6	0.9	0.4	0.6	100.0
23.	International student (n=283)	8.1	12.7	55.1	14.8	5.7	2.8	0.4	0.4	100.0
24.	Targeted minority student (n=572)	2.4	4.9	49.0	13.5	22.7	2.6	2.3	2.6	100.0
25.	First generation student (n=985)	3.6	6.9	56.0	13.0	16.6	1.2	1.3	1.3	100.0
26.	Tuition: Non-resident (n=1600)	3.9	15.8	61.4	9.3	7.2	1.3	0.4	0.8	100.0
27.	Tuition: Minnesota reciprocity (n=618)	6.8	10.7	64.4	9.5	7.6	0.3	0.5	0.2	100.0
28.	Tuition: WI resident (n=3051)	3.8	6.7	60.5	13.2	12.2	1.4	1.0	1.3	100.0

**Table 17: Variable Means by Number of Fall/Spring Semesters Enrolled - Nursing**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
1.	Number of graduates	1	0	101	2	68	1	19	11	203
2.	Credits per semester			14.5		14.2		14.3	13.7	14.3
3.	Withdraw semesters			0.0		0.1		0.1	0.4	0.1
4.	Number of stop outs			0.2		0.3		0.5	1.3	0.2
5.	Summer terms enrolled			0.5		0.7		1.3	2.0	0.7
6.	Number of semesters to 1 <sup>st</sup> major			5.2		6.0		5.1	5.2	5.4
7.	Majors completed			1.0		1.2		1.1	1.1	1.1
8.	Certificates completed			0.1		0.3		0.1	0.1	0.2
9.	Number of majors ever declared			1.0		1.5		2.2	2.4	1.4
10.	Number of schools/colleges (ever)			1.4		1.9		2.2	2.4	1.7
11.	Number of credits not passed			0.0		0.1		0.4	1.0	0.1
12.	Number of part-time semesters			0.1		0.3		0.5	2.4	0.4
13.	Number of transfer credits			4.5		2.2		6.6	6.3	4.3
14.	Number of adv. standing test credits			12.9		13.6		5.6	5.3	11.9
15.	ACT/SAT score			27.3		27.7		26.4	26.8	27.4
16.	Study abroad semesters			0.2		0.4		0.1	0.2	0.2
17.	Cooperative education semesters			0.0		0.0		0.0	0.0	0.0
18.	Number of years with financial need			1.7		2.4		2.4	4.7	2.2
19.	Number of years eligible for Pell Grant			0.5		1.0		0.4	1.6	0.7

**Distribution of Graduates by Number of Semesters Enrolled and Selected Demographic Category**

#	Variable	Number of Fall/Spring Semesters Enrolled at UW-Madison								All
		<7	7	8	9	10	11	12	>12	
20.	All UW-Madison graduates (n=10183)	2.8	7.7	56.4	13.8	15.1	1.8	1.1	1.1	100.0
21.	All Nursing graduates (n=203)	0.5	0.0	49.8	1.0	33.5	0.5	9.4	5.4	100.0
22.	Female student (n=183)	0.5	0.0	50.8	0.5	34.4	0.0	9.3	4.4	100.0
23.	International student (n=0)									100.0
24.	Targeted minority student (n=14)	0.0	0.0	28.6	0.0	35.7	0.0	35.7	0.0	100.0
25.	First generation student (n=46)	2.2	0.0	41.3	2.2	28.3	0.0	13.0	13.0	100.0
26.	Tuition: Non-resident (n=19)	0.0	0.0	57.9	0.0	26.3	0.0	15.8	0.0	100.0
27.	Tuition: Minnesota reciprocity (n=30)	0.0	0.0	66.7	0.0	26.7	0.0	3.3	3.3	100.0
28.	Tuition: WI resident (n=154)	0.6	0.0	45.5	1.3	35.7	0.6	9.7	6.5	100.0

\*Figures are not shown when the number of graduates is fewer than 5.