Georgia Institute of Technology Appendices

Appendices

Appendix A – Retention and Graduation Rates

First-Time, Full-Time Freshman Retention Rates							
COHORT	N	1st YR	2nd YR	3rd YR	4th YR	5th YR	6th YR
Fall 2004	2,575	92%	86%	84%	83%	82%	83%
Fall 2005	2,419	92%	87%	84%	83%	82%	82%
Fall 2006	2,838	92%	87%	84%	83%	82%	82%
Fall 2007	2,624	93%	88%	87%	85%	85%	85%
Fall 2008	2,633	93%	88%	86%	85%	84%	84%
Fall 2009	2,655	94%	90%	88%	88%	88%	88%
Fall 2010	2,706	95%	92%	90%	89%	89%	
Fall 2011	2,692	95%	91%	89%	89%		
Fall 2012	3,039	96%	92%	90%			
Fall 2013	2,669	96%	94%				
Fall 2014	2,805	97%					
Fall 2015	3,087						

Note: Retention is defined as enrollment in the subsequent fall term. "1st year" retention = first-to-second year retention.

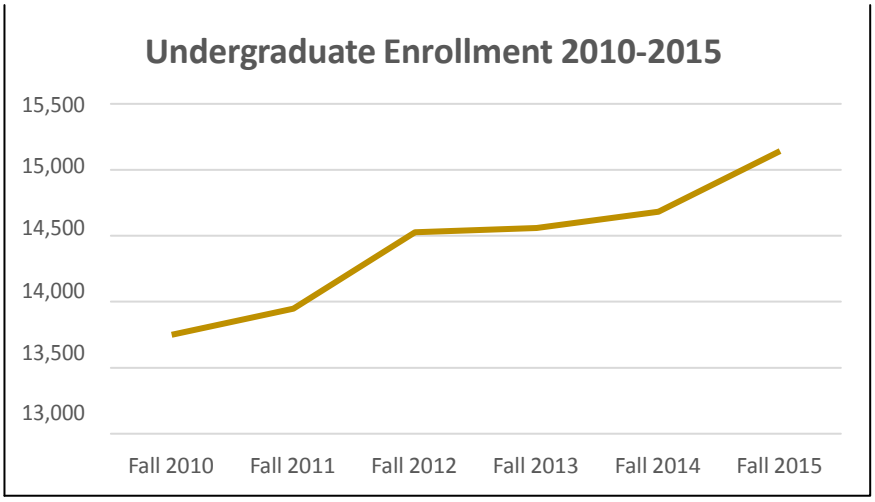
First-Time, Full-Time Freshman Graduation Rates					
COHORT	N	4th YR	5th YR	6th YR	8th YR
Fall 2004	2,572	33%	72%	80%	82%
Fall 2005	2,416	31%	72%	79%	81%
Fall 2006	2,838	34%	72%	79%	82%
Fall 2007	2,622	41%	76%	82%	84%
Fall 2008	2,633	37%	75%	82%	
Fall 2009	2,654	40%	78%	85%	
Fall 2010	2,706	41%	80%		
Fall 2011	2,690	39%			
Fall 2012	3,038				
Fall 2013	2,669				
Fall 2014	2,804				
Fall 2015	3,087				

Note: Graduation is defined as the proportion of the revised cohort who completed their degree within the allocated time.
The cohort counts exclude students who died or were totally and permanently disabled, or those who left school to serve in the armed forces, with a foreign aid service, or with a religious mission.

Appendix B – Georgia Tech Undergraduate Enrollment and Degrees Conferred 2010-2015

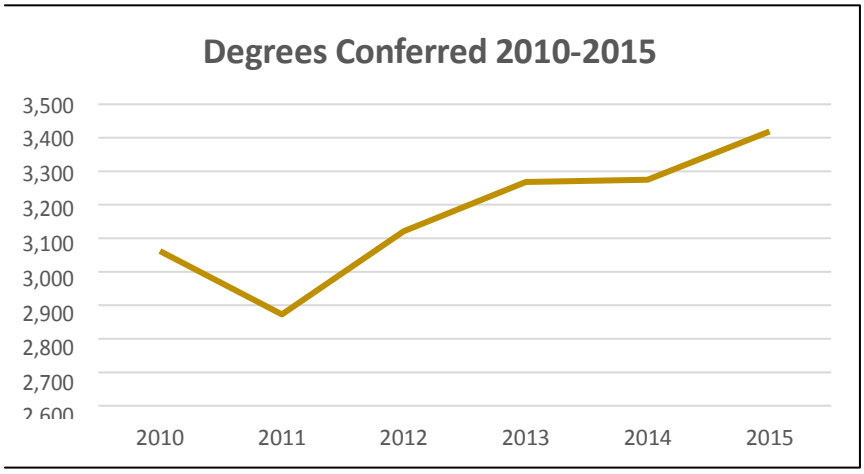
Undergraduate Enrollment

Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
13,750	13,948	14,527	14,558	14,682	15,142



Undergraduate Degrees Conferred

AY2010	AY2011	AY2012	AY2013	AY2014	AY2015
3,062	2,873	3,121	3,268	3,275	3,419



Appendix C – Six-Year Graduation Rates for Students in Academic Enrichment Programs

Academic Enrichment Programs 2015-16

GRADUATION RATES AND PARTICIPATION LEVELS*

Co-op – 96%

Through the co-op program (which involves at least three alternating work terms), 1,472 undergraduates completed 1,757 semester-long, full-time, major-related work experiences.

Internship – 97%

Internships require a minimum commitment of one work semester. In 2015-16, 899 undergraduates completed 981 internships.

Study Abroad – 98%

1,883 students studied abroad in 55 different countries. In addition, 135 students interned abroad in 34 different countries.

UROP – 94%

2,797 students participated in the Undergraduate Research Opportunities Program (UROP). Research—a catalyst for innovation—sparks critical thinking and creativity, builds on teamwork skills, fosters relationships between students and faculty, and solves real-world problems.

Honors Program – 88%

The Honors Program—a vibrant living learning community—promotes intellectual curiosity and creates an academic context in which students can work with professors and other students in a spirit of intellectual inquiry. 756 students participated in HP during 2015-16.

ThinkBig – 91%

With a menu of themed-based living learning options, ThinkBig involves monthly programming, outings, and professor engagement with students. 203 students participated in ThinkBig during 2015-16.

GT 1000 – 85%

1,901 students (64% of freshmen) participated in the first-year seminar, GT 1000, in fall 2015 and spring 2016. GT 1000 is a one-hour graded course offered in fall and spring semesters. This seminar is designed to support the successful transition and experience of new students.

Freshman Experience Program – 86%

Freshman Experience is a self-selected living learning option whose purpose is to help first-year students build a solid personal and academic foundation within a diverse and inclusive community. Over 2,600 students participated in FE during 2015-16.

GT 1000 + FE – 87%

Students who participate in both GT 1000 and Freshman Experience typically achieve graduation rates that exceed those of either group alone. This proved to be the case for the 2009 cohort, which had a six-year graduation rate of 87%.

**Based on six-year graduation rates for the 2009 freshman cohort graduating by summer 2015 and program participation for summer 2015, fall 2015, and spring 2016.*

Appendix D – Georgia Tech K-12 STEM Outreach Programs 2015-16

**Program specifically targets underrepresented populations*

Event or Program	Organization or Sponsor	Population Targeted	URL
GoSTEM	Georgia Tech and Gwinnett County Schools	*Hispanic K-12 students	http://www.gostem.gatech.edu
Advanced Manufacturing & Prototyping Integrated to Unlock Potential (AMP-IT-UP)	National Science Foundation (involves partnership with GT and Griffin-Spalding County Schools)	Middle and high school students	https://www.ceismc.gatech.edu/amp-it-up
BreakThru	Georgia STEM Accessibility Alliance (involves partnership with UGA Performance Support Lab and GT Center for Assistive Technology and Environmental Access)	*Students with disabilities, middle school through matriculated students	http://georgiabreakthru.org/about
TEC Camp	Women in Engineering	*Rising 7th and 8th grade girls	http://wie.gatech.edu/tec-camp
Jr. TEC Camp	Women in Engineering	*Rising 5th and 6th grade girls	http://wie.gatech.edu/jr-tec-camp
Students Exploring Engineering	Women in Engineering	*Female freshman and sophomore high school students	http://wie.gatech.edu/students-exploring-engineering
Engineering Career Conference	Women in Engineering	*Female junior and senior high school students	http://wie.gatech.edu/k12-outreach/engineering-career-conference
CoE Champions	Georgia Tech College of Engineering	K-12 students	http://champions.coe.gatech.edu/k-12-opportunities
GT Engineering Design Challenge (GTEC)	Center for Engineering Education and Diversity (CEED)	Middle and high school students	http://ceed.gatech.edu/gt-engineering-design-challenge **site not updated
GT Engineering Explorations (GTEE)	CEED	Middle and high school students	http://ceed.gatech.edu/gt-engineering-explorations **site not updated
Summer Engineering Institute (SEI)	CEED	*Underrepresented minority rising 11th and 12th grade students	http://ceed.gatech.edu/summer-engineering-institute-sei
Retaining Inspirational Students in Engineering (RISE)	CEED	*Minority and nontraditional engineering students	http://ceed.gatech.edu/programs/undergrad/rise
National Action Council for Minorities in Engineering (NACME) Scholars Program	NACME and Georgia Tech	*Undergraduate minority engineering students	http://www.nacme.org/scholars

Event or Program	Organization or Sponsor	Population Targeted	URL
Louis Stokes Alliance for Minority Participation @ GA Tech (LSAMP)	Peach State LSAMP (involves a consortium of seven colleges and universities in Georgia)	*Minority undergraduate students	http://ceed.gatech.edu/about-lsamp
CEISMC Academic Mentoring	Center for Education Integrating Science, Mathematics, and Computing (CEISMC)	K-12 students	https://cmp-ceismc.gatech.edu
Annual Latino College and STEM Fair – GoSTEM	CEISMC (partnered with UGA LISSEL-B program)	*K-12 Hispanic/Latino students	https://www.ceismc.gatech.edu/calendar/4th-annual-latino-college-and-stem-fair-gt-gostem-uga-lisell-event
Bridge to Tech	CEISMC	Rising 9th grade students	http://drewsbridgeto.gatech.edu/
CEISMC @ GaTech Savannah	CEISMC	K-12 students	http://www.ceismc.gatech.edu/ceismc-savannah
Full STEAM Ahead	CEISMC @ GA Tech Savannah	K-8th grade students	https://pe.gatech.edu/savannah-campus/k-12/summer-camp
Artbotics I and Artbotics II	CEISMC Summer PEAKS	Elementary school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/elementary
Make Wonder: Learn to Code with Dash and Dot	CEISMC Summer PEAKS	Elementary and middle school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/elementary
Middle School App/Game Academy	CEISMC Summer PEAKS	Middle school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/middle
BioIgnite	CEISMC Summer PEAKS	Middle school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/middle
Lego Mindstorms I and Lego Mindstorms II	CEISMC Summer PEAKS	Middle school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/middle
LearnToMod: Adventures in Minecraft Modding	CEISMC Summer PEAKS	Middle school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/middle
iPlan: City and Regional Planning	CEISMC Summer PEAKS	Middle school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/middle
Thrill-a-Minute Roller Coaster Physics	CEISMC Summer PEAKS	Middle and high school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/middle

Event or Program	Organization or Sponsor	Population Targeted	URL
High School App/Game Academy	CEISMC Summer PEAKS	High school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/middle
Environmental Leadership	CEISMC Summer Peaks	High school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/highschool
Mission Possible! (Industrial & Systems Engineering Focus)	CEISMC Summer PEAKS	High school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/highschool
PUSH- Pursuing Urban Sustainability at Home	CEISMC Summer PEAKS	High school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/highschool
Staying Focused: The Psychology of Attention	CEISMC Summer PEAKS	High school students	https://www.ceismc.gatech.edu/studentprograms/summer-peaks_programs/highschool
GE Girls @ GA Tech	CEISMC (partnered with GE)	*Female middle school students	https://apply.ceismc.gatech.edu/gegirls/
Georgia FIRST Lego League	CEISMC	Students ages 9-14	https://fll.gatech.edu/home
Georgia Tech's K-12 InVenture Challenge	CEISMC	K-12 students	http://inventurechallenge.gatech.edu/
Georgia Science Olympiad	CEISMC	High school students	http://www.ceismc.gatech.edu/gaso
GIFT	CEISMC	K-12 science, mathematics, and technology teachers	https://ceismc.gatech.edu/gift
K.I.D.S Club	CEISMC	K-12 students	https://kidsclub-ceismc.gatech.edu
STEM Mini-Conference for Educators	CEISMC	Science & math teachers	https://www.ceismc.gatech.edu/asf
Kids Family Fun	CEISMC	All ages	https://www.ceismc.gatech.edu/asf
College of Computing Summer Camps	Office of Outreach, Enrollment, and Community (OEC) at College of Computing	Rising 3rd graders - rising college freshman	http://gtcomputingoutreach.org/summerCamp.html
GT I3 – Imagine, Investigate, Innovate	OEC at College of Computing	High school students	http://robotics.gatech.edu/outreach/I3
Exploring Engineering Academy	Georgia Tech and Boy Scouts of America	High school students	http://www.atlantabsa.org/document/exploring-engineering-academy-brochure/160320
H.O.T. Days	ECE Outreach at College of Engineering	Rising 10th and 11th grade students	https://www.ece.gatech.edu/outreach/hot-days
STEP-UP Program	ECE Outreach at College of Engineering	Metro Atlanta physics/math high school teachers	https://www.ece.gatech.edu/outreach/step-up-program

Event or Program	Organization or Sponsor	Population Targeted	URL
The R.E.A.L. Program	CEISMC	*Underrepresented high school students in STEM education (chosen through GIFT program)	https://ceismc.gatech.edu/gift/real
Distance Math	Georgia Tech's School of Mathematics and Professional Education	Georgia high school students	http://admission.gatech.edu/dualenrollment/distance-math

Appendix E – STEM Graduation Rates – Overall and By Gender

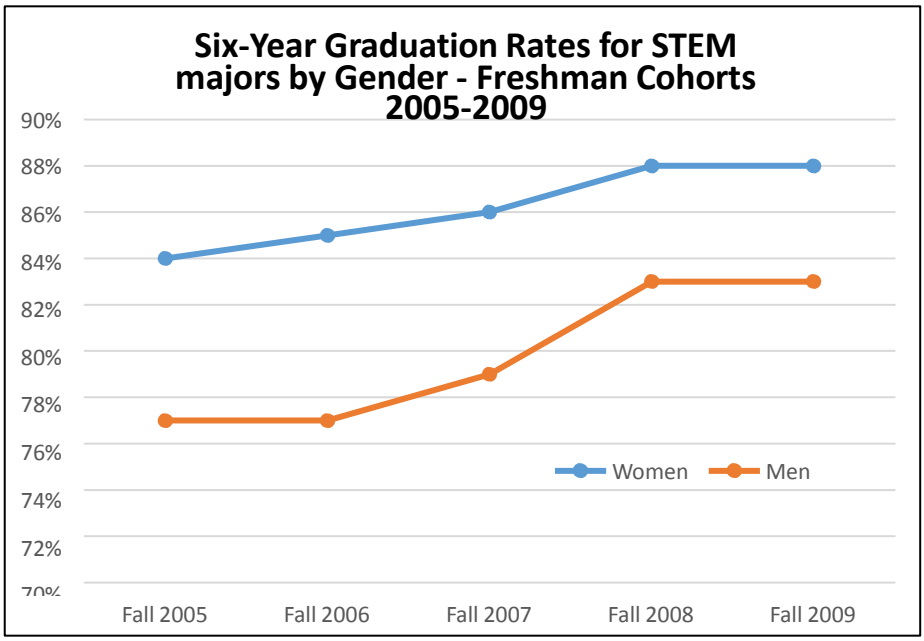
STEM - Colleges of Computing, Engineering, and Sciences

First-Time Freshmen Graduation Rates by STEM and Non-STEM

COHORT	STEM MAJOR AS A FRESHMAN	N	4th YR	5th YR	6th YR
Fall 2005	Non-STEM	480	41%	76%	80%
	STEM	**1,936**	**29%**	**72%**	**79%**
Fall 2006	Non-STEM	528	44%	77%	82%
	STEM	**2,310**	**31%**	**71%**	**79%**
Fall 2007	Non-STEM	510	49%	77%	83%
	STEM	**2,112**	**39%**	**76%**	**82%**
Fall 2008	Non-STEM	497	46%	78%	83%
	STEM	**2,136**	**35%**	**74%**	**81%**
Fall 2009	Non-STEM	445	55%	84%	87%
	STEM	**2,209**	**37%**	**77%**	**84%**
Fall 2010	Non-STEM	419	53%	84%	
	STEM	**2,287**	**39%**	**80%**	
Fall 2011	Non-STEM	389	55%		
	STEM	**2,301**	**36%**		

Six-Year Graduation Rates for STEM Majors – Five-Year History

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Women	84%	85%	86%	88%	88%
Men	77%	77%	79%	83%	83%


Six-Year Graduation Rates for STEM majors by Gender - Freshman Cohorts 2005-2009
90%
88%
86%
84%
82%
80%
78%
76%
74%
72%
Women
Men
Fall 2005
Fall 2006
Fall 2007
Fall 2008
Fall 2009

Appendix F – OMED: Educational Services Outcomes

Fall 2015 GPA Outcomes for Summer 2015 URM Challenge Participants

Challenge First-Year Black (52)	3.10	Non-Challenge First-Year Black (96)	3.00
Challenge First-Year Hispanic (15)	3.45	Non-Challenge First-Year Hispanic (191)	3.38
Challenge First-Year Multi (3)	2.95	Non-Challenge First-Year Multi (91)	3.32
Challenge Fall GPA Average (70)	3.17	Non-Challenge Fall GPA Average (378)	3.23
% Challenge students with GPA = 4.0 (13)	17%		
% Challenge students with GPA ≥ 3.0 (51)	67%		

Average Cumulative GPA for First-Year Students at the End of the Fall Term

Cohort	AAMI Participants	Non-AAMI Matched Peers	Non-Black Males
2015	3.24	2.95	3.47
2014	3.43	3.04	3.40
2013	3.36	2.77	3.32
2012	2.98	2.76	3.20

Undergraduate First-to-Second Year Retention Rates

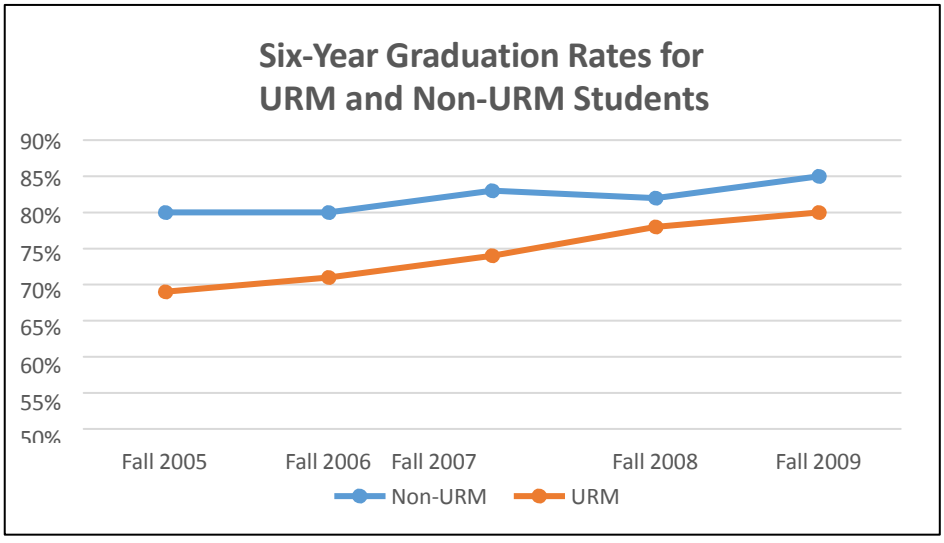
Cohort	Institutional	AAMI Participants	Non-AAMI Matched Peers
2014	97%	94%	98%
2013	96%	97%	91%
2012	96%	95%	95%

Appendix G – URM Graduation Rates

Six-Year Graduation Rates

	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Non-URM	80%	80%	83%	82%	85%
URM	69%	71%	74%	78%	80%

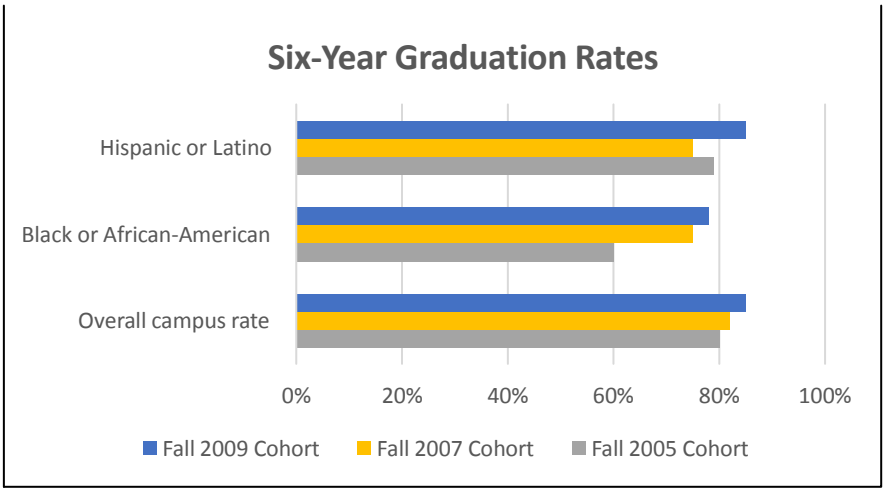
URM = American Indian or Alaskan Native, Black or African American, Hispanic or Latino, Native Hawaiian or other Pacific Islander



Graduation Rates for Black or African-American and Hispanic or Latino Students

Six-Year Graduation Rates

	Fall 2005 Cohort	Fall 2007 Cohort	Fall 2009 Cohort
Overall campus	80%	82%	85%
Black or African-American	60%	75%	78%
Hispanic or Latino	79%	75%	85%



Appendix H – PLUS Outcomes

PLUS Grade Comparison for Fall 2015

Grade	Regulars*	%	Non-Regulars	%	Non-PLUS Group	%
A	126	45.16%	643	43.48%	1138	40.77%
B	95	34.05%	423	28.60%	740	26.51%
C	37	13.26%	231	15.62%	446	15.98%
D	12	4.30%	79	5.34%	143	5.12%
F	4	1.43%	36	2.43%	137	4.91%
W	5	1.79%	60	4.06%	176	6.31%
S	0	0.00%	0	0.00%	0	0.00%
U	0	0.00%	0	0.00%	0	0.00%
I	0	0.00%	5	0.43%	9	0.30%
Registrations	279	6.13%	1479	32.51%	2791	61.35%
ABCS	258	92.47%	1297	87.69%	2324	83.27%
DFWUI	21	7.53%	175	11.83%	456	16.34%
GPA	3.19		3.10		3.00	

*Regulars (>5 visits), Non-Regulars (1-5 visits)

PLUS GRADE COMPARISON FOR SPRING 2016

Grade	Regulars*	%	Non-Regulars	%	Non-PLUS Group	%
A	88	46.07%	445	38.20%	1301	42.66%
B	72	37.70%	394	33.82%	865	28.36%
C	20	10.47%	200	17.17%	441	14.46%
D	9	4.71%	54	4.64%	159	5.21%
F	2	1.05%	24	2.06%	115	3.77%
W	0	0.00%	43	3.69%	159	5.21%
S	0	0.00%	0	0.00%	1	0.03%
U	0	0.00%	0	0.00%	0	0.00%
I	0	0.00%	5	0.43%	9	0.30%
Registrations	191	4.33%	1165	26.44%	3050	69.22%
ABCS	180	94.24%	1039	89.18%	2608	85.51%
DFWUI	11	5.76%	121	10.39%	433	14.20%
GPA	3.23		3.06		3.07	

*Regulars (>5 visits), Non-Regulars (1-5 visits)

Appendix I – SOUP Outcomes

Summer Online Undergraduate Program (SOUP)

Term	Courses Offered	Unique participants by n	Enrollments*	A/B/C/S grades by n	A/B/C/S grades by %
Summer 2013	12	78	112	82	73%
Summer 2014	15	149	248	219	90%
Summer 2015	18	317	533	465	89%
Summer 2016	21	376	563	487	87%

**Number of course enrollments; a unique student can have more than one enrollment*

Retention/Graduation Rates Summer Online Undergraduate Program (SOUP)*

Term	Unique SOUP students by n	Unique SOUP students retained or graduated by n	% retained or graduated
Summer 2013	78	76	97%
Summer 2014	149	147	99%
Summer 2015	317	311	98%
Summer 2016	376	TBD	TBD

*Retention/graduation of *SOUP participants by the end of the following fall semester*

Appendix J – CCG-GT Steering Committee, 2016-17

Ms. Sandi Bramblett, Executive Director of Institutional Research and Planning/Decision Support Services* Dr. Steven P. Girardot, Associate Vice Provost for Undergraduate Education*
Ms. Debbie Pearson, Retention and Graduation Manager (permanent ex-officio member)
Ms. Lynn Durham, Assistant Vice President and Chief of Staff, Office of the President
Ms. Fiona Brantley, Associate Director, Center for Academic Success
Ms. Lisa Grovenstein, Director of Media Relations, Institute Communications
Ms. Sandra Kinney, Senior Director, Institutional Research and Planning
Dr. Paul Kohn, Vice Provost for Enrollment Services
Dr. Leo Mark, Associate Dean for Academic Programs and Student Affairs, Professional Education
Ms. Cynthia Moore, Director, OMED: Educational Services
Dr. Donald Pearl, Director, Center for Academic Success
Dr. Joyce Weinsheimer, Director, Center for the Enhancement of Teaching and Learning Dr. Brenda Woods, Director of Research and Assessment, Student Life
Dr. Rebecca Burnett, Director of Writing and Communication & Professor, LMC, Ivan Allen College of Liberal Arts
Dr. Jonathan Clarke, Associate Professor and Associate Dean for Undergraduate Programs, Scheller College of Business Dr. David Collard, Associate Dean, College of Sciences
Dr. Al Ferri, Associate Professor and Associate Chair for Undergraduate Studies, School of Mechanical Engineering Dr. Michelle Rinehart, Associate Dean, College of Design
Mr. David White, Assistant Dean for Academic Programs, College of Computing
**Co-chair, CCG-GT Steering Committee*