ASSESSMENT DAY

College of Business, Engineering and Technology

School of Computer Science

February 18, 2016

Academic Assessment

	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee	Program	• Quality of assessment practices	Committee of peers	Years 1 & 2
Instructional Program Review	Program / Cluster	• Enrollment, retention, completion • Industry certifications and job placement • Program budget and staffing • Advisory committees • Curriculum changes	Committee of peers	Year 3
Assessment Day	Course/ Program	• Enrollment by demographics • Graduation and retention • Average class size • Course success rate • Placement rate • SLOs, PLOs and ILOs	Program Chair and Faculty	Years 1, 2, 3

Programs

0908 - Advanced Network Infrastructure

0921 - Cable Installation

2013 - Computer Engineering Technology

2067 - Computer Information Technology

0938 - Computer Programming

2047 - Computer Programming and Analysis (Software Engineering Technology)

2003 - Electronics Engineering Technology

0902 - Information Technology Admin.

0903 - Information Technology Analysis

0905 - Information Technology Support Specialist

2005 - Internet Services Technology

0907 - Microcomputer Repairer/Installer

0923 - Network Communications (LAN)

0924 - Network Communications (WAN)

0922 - Network Infrastructure

0904 - Network Server Administration

0906 - Network Support Technician

2002 - Network Systems Technology

2204 - Simulation and Robotics Tech.

0909 - Web Development Specialist

0925 - Wireless Communications

Courses (1 of 2)

CAP1801 Simulation Fundamentals

CAP2023 Introduction to Game Programming

CAP2804 Advanced Simulation Systems

CAP2905 Directed Study in Simulation and Robotics

CAP2949 Cooperative Education Experience in Simulation and Robotics

CEN2002 Software Design and Development I

CET1112 Digital Fundamentals

CET1112L Digital Fundamentals Lab

CET1600 Network Plus

CET2123 Microcomputer and Basic Digital Communications

CET2123L Microcomputer and Basic Digital Communications Lab

CET2154 A+ Computer Repair

CET2615 Advanced Cisco Router Configuration

CET2620 Cisco Wide Area Network (WAN)

CET2625 Building Scalable Cisco Internetworks

CET2626 Building Cisco Remote Access Networks

CET2660 Fundamentals of Network Security

CET2850 Wireless and Mobile Security

CET2949 Cooperative Education Experience in Computer Engineering Technology

CGS1002 Introduction to Microcomputer Operations

CGS1060 Basic Computer Concepts

CGS1060L Basic Computer Concepts Lab

CGS1570 Introduction to Computer Applications

CGS2100 Microcomputer Applications

CGS2512 Advanced Computer Spreadsheets and Graphics Presentations

CGS2820 Web Programming (JavaScript, Ajax, ASP.Net)

CGS2821 Advanced Web Programming (XML, ASP.Net, SQL Server)

CGS2840 Cryptology

CGS2905 Directed Study in Computer Software Applications

CIS2350 Principles of Information Assurance

CIS2381 Foundations of Digital Forensics

CIS2905 Directed Study in Computer and Information Systems

CIS2935 Computer Science Seminar

CIS2949 Cooperative Education Experience in Computer and Information Systems

CNT2402 Certified Ethical Hacker

COP1000 Principles of Computer Programming

COP2001 Computer Programming "C++"

COP2001L Computer Programming "C++" Lab

COP2220 Computer Programming "C

COP2360 C# Programming

COP2654 IPhone/I Pad Programming

COP2660 Programming for Mobile Devices: Android

COP2700 Introduction to Database Management

COP2800 Computer Programming "Java"

COP2805 Advanced Computer Programming "Java"

Courses (2 of 2)

COP2842 Web Scripting (PHP)

COP2850 Web Programming Project

COP2905 Directed Study in Computer Programming

COP2940 Computer Science Internship

COP2949 Cooperative Educational Experience in Computer Programming

CTS1851 Internet Web Foundations (HTML, CSS)

CTS2141 Advanced C++ and Direct X Programming

CTS2214 Project Management w/Microsoft Project

CTS2302 Microsoft Windows Active Directory Services

CTS2306 Microsoft Windows Professional

CTS2310 Designing Windows Network Security

CTS2311 Linux Networking and Security

CTS2320 Implementing, Managing and Maintaining a Windows Network Infrastructure

CTS2321 Linux Fundamentals

CTS2328 Managing and Maintaining a Windows Network Environment

CTS2370 Virtualization Infrastructure: Installation and Configuration

CTS2402 Visual Basic Programming

CTS2403 Advanced Visual Basic Programming

CTS2431 Data Organization and Management

CTS2431L Data Organization and Management Lab

CTS2801 Web Application Development - ActionScripting

DIG1109 Digital Imaging Fundamentals

DIG2100 Web Design I

EET1011 Introduction to Electrical Circuits

EET1011L Introduction to Electrical Circuits Lab

EET1021 Advanced Electrical Circuits

EET1021L Advanced Electrical Circuits Lab

EET1141 Analog Devices and Circuits

EET1141L Analog Devices and Circuits Lab

EET1607 Electronics Assembly and Cabling

EET1607L Electronics Assembly and Cabling Lab

EET2142 Analog Circuits and Basic Analog Communications

EET2142L Analog Circuits and Basic Analog Communications Lab

EET2326 Wireless Communications

EET2326L Wireless Communications Lab

EET2905 Directed Study in Electronics

EET2949 Cooperative Education Experience in Electronics

EGS1000 Professional Performance for Technicians

EGS2905 Directed Study in Electronics

ETM2315 Simulation Power and Control

ETM2315L Simulation Power and Control Lab

Action Items from Last Assessment Day

Action Items for Improvement (12/10/2014):

1. There were some discrepancies on the names of some programs on the presentation and the current programs' name. School of Computer Sciences was going to notify Karla Moore about those changes.
2. School of Computer Sciences was going to check all the courses prefix and number on the College website for accuracy.
3. School of Computer Sciences was going to discuss new opportunities to attract more female at an early age. Perhaps the possibility of working with middle schools and recruitment.
4. Karla Moore will ask Advising and Admissions the possibility of presenting to Chairs and Assistance Chairs the process of admissions and advising.
5. Chair of the School of Computer Sciences proposed virtual face-to-face advising for potential students. Need to follow-up with Advising.
6. Learning Outcome Assessment:
    a. Select a specific learning activity to measure outcomes.
    b. Make sure all assessment measures have a result.

Headcount by Major

Major	2012-2013	2013-2014	2014-2015
2047 – Computer Program Analysi	144	147	162
2067 – Computer Information Admin	113	104	126
2002 – Network Systems Tech	132	116	120
2013 – Computer Eng Technology	132	112	98
2003 – Electronics Engin Tech	55	54	63
2005 – Internet Services Tech	40	32	33
0938 – Computer Programming	19	30	30
0909 – Web Develop Specialist	29	26	26
2204 – Simulation and Robotics	27	19	16
0905 – Info Tech Support Specialist	3	8	9
0903 – Information Tech Analysi	2	5	8
0902 – Information Tech Adminis	1	3	5
0906 – Network Support Tech	8	2	5
0907 – Microcomputer Repairer	5	1	5
0904 – Network Server Adm	7	5	3
0908 – Advanced Network Infra	4	3	3
0923 – Network Comm (LAN)	1	2	3
0921 – Cable Installation	1	2	1
0922 - Network Infrastructure	6	5	1
0924 - Network Comm. (Wan)	2	3	1
0925 - Wireless Communications	2	2	
Total	707	662	690

College Headcount decreased: 2012/13 (9.6%), 2013/14 (6%), 2014/15 (7%)

Source: IR Program Assessment Data

Students are duplicated across programs, unduplicated in the total.

Average Age by Program

Program	2012-2013	2013-2014	2014-2015
0902 - Information Tech Adminis	48	28	27
0903 - Information Tech Analysi	46	38	38
0904 - Network Server Adm	29	34	41
0905 - Info Tech Support Specst	52	42	32
0906 - Network Support Tech	50	51	33
0907 - Microcomputer Repairer	34	27	23
0908 - Advanced Network Infra	29	30	34
0909 - Web Develop. Specialist	30	32	35
0921 - Cable Installation	34	42	35
0922 - Network Infrastructure	38	35	23
0923 - Network Comm. (Lan)	23	25	31
0924 - Network Comm. (Wan)	55	38	51
0925 - Wireless Communications	27	33	
0938 - Computer Programming	27	29	28
2002 - Network Systems Tech	34	34	33
2003 - Electronics Engin Tech	28	30	29
2005 - Internet Services Tech	32	34	36
2013 - Computer Eng Technology	31	32	34
2047 - Computer Program Analysi	29	29	27
2067 - Computer Information Adm	35	36	34
2204 - Simulation And Robotics	30	34	38

	2012-2013	2013-2014	2014-2015
All Programs	32	32	32
Daytona State College	26.7	26.6	26.4

Source: IR Program Assessment Data

Gender

Program	2012-2013		2013-2014		2014-2015	
	Female	Male	Female	Male	Female	Male
0902 - Information Tech Adminis		100%	33%	67%	20%	80%
0903 - Information Tech Analysi	50%	50%	60%	40%	38%	63%
0904 - Network Server Adm	29%	71%	20%	80%		100%
0905 - Info Tech Support Specst		100%		100%	22%	78%
0906 - Network Support Tech	13%	88%		100%		100%
0907 - Microcomputer Repairer		100%		100%		100%
0908 - Advanced Network Infra		100%		100%		100%
0909 - Web Develop. Specialist	52%	48%	54%	46%	38%	62%
0921 - Cable Installation		100%		100%	100%	
0922 - Network Infrastructure		100%		100%		100%
0923 - Network Comm. (Lan)		100%		100%		100%
0924 - Network Comm. (Wan)		100%		100%		100%
0925 - Wireless Communications		100%		100%		
0938 - Computer Programming	26%	74%	17%	83%	17%	83%
2002 - Network Systems Tech	13%	87%	12%	88%	14%	86%
2003 - Electronics Engin Tech	4%	96%	9%	91%	3%	97%
2005 - Internet Services Tech	35%	65%	28%	72%	30%	70%
2013 - Computer Eng Technology	18%	82%	17%	83%	15%	85%
2047 - Computer Program Analysi	17%	83%	17%	83%	19%	81%
2067 - Computer Information Adm	23%	76%	24%	76%	19%	81%
2204 - Simulation And Robotics	11%	89%	5%	95%	6%	94%

Major	2012-2013		2013-2014		2014-2015	
	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	59%	41%	60%	40%

Source: IR Program Assessment Data

Race / Ethnicity by Program 2012-13

	Headcount	Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0902 Info Tech Admin	1							100%
0903 Info Tech Analysis	2			50%		50%		
0904 Network Server Admin	7							
0905 Info Tech Support Spclst	3			29%				71%
0906 Network Support Tech	8			25%	13%			50%
0907 Microcomputer Repair	5							100%
0908 Adv Network Infrastruc	4				50%			50%
0909 Web Develop Specialist	29			10%	21%			69%
0921 Cable Installation	1							100%
0922 Network Infrastructure	6			17%				83%
0923 Network Comm (LAN)	1							100%
0924 Network Comm (WAN)	2				100%			
0925 Wireless Comm	2							100%
0938 Comp Programming	19			11%	5%			84%
2002 Network Systems Tech	132		2%	8%	13%	1%	2%	74%
2003 Electronic Engineer Tech	55		5%	7%	9%		4%	73%
2005 Internet Services Tech	40		3%	8%	18%		3%	68%
2013 Comp Engineer Tech	132	1%	4%	16%	18%		2%	59%
2047 Comp Program Analysis	144		5%	15%	10%		1%	68%
2067 Comp Info Admin	113		4%	11%	8%	1%	2%	73%
2204 Sim & Robotics	27			11%	7%			81%
Total All Programs	707	0%	3%	12%	12%	0%	1%	69%

Excludes individuals whose race / ethnicity is not reported.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Race / Ethnicity by Program 2013-14

	Headcount	Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0902 Info Tech Admin	3		33%					33%
0903 Info Tech Analysis	5			20%	40%			40%
0904 Network Server Admin	5			20%				80%
0905 Info Tech Support Spclst	8		13%	13%	13%			63%
0906 Network Support Tech	2							100%
0907 Microcomputer Repair	1							100%
0908 Adv Network Infrastruc	3				33%			67%
0909 Web Develop Specialist	26	4%		12%	8%		4%	73%
0921 Cable Installation	2							100%
0922 Network Infrastructure	5			40%	20%			40%
0923 Network Comm (LAN)	2							100%
0924 Network Comm (WAN)	3				33%			67%
0925 Wireless Comm	2							100%
0938 Comp Programming	30			10%	7%			80%
2002 Network Systems Tech	116		4%	7%	14%	2%	2%	71%
2003 Electronic Engineer Tech	54		6%	9%	9%		4%	70%
2005 Internet Services Tech	32		3%	3%	25%			69%
2013 Comp Engineer Tech	112	1%	4%	17%	18%		1%	59%
2047 Comp Program Analysis	147	1%	5%	12%	13%		1%	67%
2067 Comp Info Admin	104	1%	6%	16%	11%	1%	4%	61%
2204 Sim & Robotics	19			11%	11%			79%
Total All Programs	662	1%	4%	12%	13%	0%	2%	67%

Excludes individuals whose race / ethnicity is not reported.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Race / Ethnicity by Program 2014-15

	Headcount	Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0902 Info Tech Admin	5		20%	40%				40%
0903 Info Tech Analysis	8			13%	25%			50%
0904 Network Server Admin	3							100%
0905 Info Tech Support Spclst	9			11%	22%			67%
0906 Network Support Tech	5				40%			60%
0907 Microcomputer Repair	5							80%
0908 Adv Network Infrastruc	3							100%
0909 Web Develop Specialist	26	4%		4%	19%		8%	65%
0921 Cable Installation	1			100%				
0922 Network Infrastructure	1							100%
0923 Network Comm (LAN)	3				33%			67%
0924 Network Comm (WAN)	1							100%
0925 Wireless Comm								
0938 Comp Programming	30			10%	10%			73%
2002 Network Systems Tech	120		2%	7%	13%	2%	2%	73%
2003 Electronic Engineer Tech	63		3%	6%	11%		3%	73%
2005 Internet Services Tech	33		6%	6%	12%			73%
2013 Comp Engineer Tech	98		3%	10%	21%		1%	63%
2047 Comp Program Analysis	162	1%	4%	11%	15%		1%	65%
2067 Comp Info Admin	126	2%	4%	13%	13%		2%	64%
2204 Sim & Robotics	16			6%	13%			75%
Total All Programs	690	1%	3%	10%	15%	0%	1%	67%
DSC		0.5%	2%	14%	13%	0.2%	2%	67%

Excludes individuals whose race / ethnicity is not reported.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Graduates in Major

Major	2012-2013	2013-2014	2014-2015
0905 - Info Tech Support Specst	50	53	43
0907 - Microcomputer Repairer	49	47	37
0906 - Network Support Tech	32	35	29
0938 - Computer Programming	18	13	21
0902 - Information Tech Adminis	19	11	19
2047 - Computer Program Analysi	17	15	19
2002 - Network Systems Tech	29	27	18
0921 - Cable Installation	23	22	17
0924 - Network Comm. (Wan)	22	19	15
0903 - Information Tech Analysi	20	22	14
0922 - Network Infrastructure	30	14	13
0923 - Network Comm. (Lan)	11	17	13
2013 - Computer Eng Technology	13	16	13
2067 - Computer Information Adm	11	8	13
0909 - Web Develop. Specialist	11	5	11
2005 - Internet Services Tech	8	6	9
0904 - Network Server Adm	15	12	8
0925 - Wireless Communications	10	13	7
2003 - Electronics Engin Tech	2	7	6
0908 - Advanced Network Infra	8	3	3
2204 - Simulation And Robotics	2	2	3
Total	400	367	331

Blank cells or missing years indicate no graduates.

Source: IR Program Assessment Data

Graduation Rates (1 of 3)

Major	Fall Cohort Year	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
0902- Information Technology Administration	2012	0				
	2013	3	0	0.0%	0	0.0%
	2014	0				
0903- Information Technology Analysis	2012	1	0	0.0%	0	0.0%
	2013	1	1	100.0%	1	100.0%
	2014	4	0	0.0%	0	0.0%
0904- Network Server Administration	2012	3	1	33.3%	1	33.3%
	2013	3	0	0.0%	1	33.3%
	2014	1	0	0.0%	0	0.0%
0905- Information Technology Support Specialist	2012	1	0	0.0%	0	0.0%
	2013	3	0	0.0%	0	0.0%
	2014	5	2	40.0%	2	40.0%
0906- Network Support Technician	2012	4	1	25.0%	2	50.0%
	2013	0				
	2014	4	2	50.0%	2	50.0%
0907- Microcomputer Repairer/Installer	2012	1	0	0.0%	0	0.0%
	2013	0				
	2014	4	1	25.0%	1	25.0%
0908- Advanced Network Infrastructure	2012	1	0	0.0%	0	0.0%
	2013	0				
	2014	2	0	0.0%	0	0.0%
0909- Web Development Specialist	2012	10	3	30.0%	4	40.0%
	2013	11	0	0.0%	0	0.0%
	2014	9	0	0.0%	0	0.0%
0921- Cable Installation	2012	1	0	0.0%	0	0.0%
	2013	0				
	2014	1	0	0.0%	0	0.0%

Less than College average (150%- 44.8%, 200%- 49.23%)

Fall terms include prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Graduation Rates (2 of 3)

Major	Fall Cohort Year	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
0922- Network Infrastructure	2012	5	2	40.0%	2	40.0%
	2013	1	0	0.0%	0	0.0%
	2014	1	0	0.0%	0	0.0%
0923- Network Communication (LAN)	2012	1	1	100.0%	1	100.0%
	2013	1	0	0.0%	0	0.0%
	2014	2	0	0.0%	0	0.0%
0924- Network Communication (WAN)	2012	2	1	50.0%	2	100.0%
	2013	2	1	50.0%	1	50.0%
	2014	0				
0925- Wireless Communication	2012	0				
	2013	1	1	100.0%	1	100.0%
	2014	0				
0938- Computer Programming	2012	4	0	0.0%	0	0.0%
	2013	17	1	5.9%	2	11.8%
	2014	15	0	0.0%	0	0.0%
2002- Network Systems Technology	2010	47	12	25.5%	16	34.0%
	2011	29	8	27.6%	8	27.6%
	2012	45	16	35.6%	16	35.6%
2003- Electronics Engineering Technology	2010	29	0	0.0%	1	3.4%
	2011	18	1	5.6%	1	5.6%
	2012	23	0	0.0%	0	0.0%
2005- Internet Services Technology	2010	21	2	9.5%	2	9.5%
	2011	14	1	7.1%	1	7.1%
	2012	7	1	14.3%	1	14.3%

Less than College average (150%- 44.8%, 200%- 49.23%)

Fall terms include prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Graduation Rates (3 of 3)

Major	Fall Cohort Year	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
2013- Computer Engineering Technology	2010	50	5	10.0%	7	14.0%
	2011	45	4	8.9%	5	11.1%
	2012	32	4	12.5%	4	12.5%
2047- Computer Programming & Analysis	2010	57	9	15.8%	11	19.3%
	2011	45	6	13.3%	7	15.6%
	2012	42	6	14.3%	6	14.3%
2067- Computer Information Technology	2010	46	10	21.7%	11	23.9%
	2011	38	3	7.9%	5	13.2%
	2012	35	3	8.6%	3	8.6%
2204- Simulation & Robotics Technology	2010	7	0	0.0%	0	0.0%
	2011	6	0	0.0%	0	0.0%
	2012	4	1	25.0%	1	25.0%

Less than College average (150%- 44.8%, 200%- 49.23%)
Fall terms include prior Summer term enrollment in major.
Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Retention Rates (1 of 3)

Programs		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	
0902 Information Tech Adminis	2011	2		2	1	50.00%			50.00%
	2013	3		3	1	33.33%			33.33%
0903 Information Tech Analysi	2011	2	1	1	1	100.00%			100.00%
	2012	1		1					0.00%
	2013	1	1	0					
0904 Network Server Adm	2011	3		3					0.00%
	2012	3		3			1	33.33%	33.33%
	2013	5	1	4	1	25.00%	2	50.00%	75.00%
0905 Info Tech Support Specst	2011	3		3					0.00%
	2012	1		1					0.00%
	2013	6	1	5	1	20.00%			20.00%
0906 Network Support Tech	2011	4	1	3	1	33.33%			33.33%
	2012	6	2	4	1	25.00%	1	25.00%	50.00%
	2013	2	1	1					0.00%
0907 Microcomputer Repairer	2011	2		2			2	100.00%	100.00%
	2012	4	1	3			1	33.33%	33.33%
	2013	1		1			1	100.00%	100.00%
0908 Advanced Network Infra	2012	2		2			1	50.00%	50.00%
	2013	2		2			1	50.00%	50.00%
0909 Web Develop. Specialist	2011	20		20	1	5.00%	8	40.00%	45.00%
	2012	23	4	19	4	21.05%	6	31.58%	52.63%
	2013	22	3	19	3	15.79%	6	31.58%	47.37%
0921 Cable Installation	2012	1		1					0.00%
	2014	1		1	1	100.00%			100.00%

Less than College average (FT- 60.48%, PT- 52.08%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Not retained - Students who were not registered the following fall term.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Retention Rates (2 of 3)

Programs		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	
0922 Network Infrastructure	2011	3		3	2	66.67%	1	33.33%	100.00%
	2012	5	1	4			3	75.00%	75.00%
	2013	4	1	3	1	33.33%			33.33%
0923 Network Comm. (Lan)	2011	1		1					0.00%
	2012	2	1	1			1	100.00%	100.00%
	2013	2		2					0.00%
0924 Network Comm. (Wan)	2012	2		2	1	50.00%	1	50.00%	100.00%
	2013	3	1	2	1	50.00%	1	50.00%	100.00%
0925 Wireless Communications	2011	1		1			1	100.00%	100.00%
	2012	2	1	1					0.00%
	2013	2	1	1					0.00%
0938 Computer Programming	2011	16	1	15	1	6.67%	4	26.67%	33.33%
	2012	9	2	7	2	28.57%	1	14.29%	42.86%
	2013	21	2	19	3	15.79%	5	26.32%	42.11%
2002 Network Systems Tech	2011	117	26	91	14	15.38%	36	39.56%	54.95%
	2012	117	24	93	19	20.43%	30	32.26%	52.69%
	2013	94	18	76	11	14.47%	36	47.37%	61.84%
2003 Electronics Engin Tech	2011	47	6	41	6	14.63%	14	34.15%	48.78%
	2012	48	1	47	3	6.38%	15	31.91%	38.30%
	2013	37	3	34	8	23.53%	16	47.06%	70.59%

Less than College average (FT- 60.48%, PT- 52.08%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Not retained - Students who were not registered the following fall term.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Retention Rates (3 of 3)

Programs		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	
2005 Internet Services Tech	2011	38	4	34	4	11.76%	14	41.18%	52.94%
	2012	30	4	26	3	11.54%	11	42.31%	53.85%
	2013	23	4	19	2	10.53%	7	36.84%	47.37%
2013 Computer Eng Technology	2011	113	6	107	12	11.21%	48	44.86%	56.07%
	2012	108	15	93	22	23.66%	34	36.56%	60.22%
	2013	90	10	80	19	23.75%	28	35.00%	58.75%
2047 Computer Program Analysis	2011	111	8	103	19	18.45%	41	39.81%	58.25%
	2012	116	15	101	15	14.85%	38	37.62%	52.48%
	2013	108	15	93	17	18.28%	40	43.01%	61.29%
2067 Computer Information Adm	2011	79	10	69	12	17.39%	31	44.93%	62.32%
	2012	84	8	76	12	15.79%	30	39.47%	55.26%
	2013	81	4	77	10	12.99%	30	38.96%	51.95%
2204 Simulation And Robotics	2011	22	5	17	3	17.65%	5	29.41%	47.06%
	2012	20	2	18	2	11.11%	7	38.89%	50.00%
	2013	14	2	12	2	16.67%	6	50.00%	66.67%

Less than College average (FT- 60.48%, PT- 52.08%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Not retained - Students who were not registered the following fall term.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Average Class Size by Course (1 of 2)

Major and Associated Courses		2012-2013		2013-2014		2014-2015	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
2002 Network Systems Tech	CET1600	9	21	9	20	9	21
	CET2615	2	23	1	17	2	14
	CET2620	2	14	2	13	2	11
	CET2625			1	13		
	CET2660	3	25	3	24	2	24
	CET2850	1	11	1	10		
	CGS2840			2	13	1	19
	CIS2350	2	12	2	14	3	19
	CIS2381	1	13	1	8	2	6
	CTS2306	5	14	5	14	3	20
	CTS2320	1	15	1	9	1	15
	CTS2321	4	22	5	15	4	22
	CTS2328	3	11	1	9	1	9
	CTS2370			2	8	3	13
	Major	33	18	36	15	33	18
2003 Electronics Engin Tech	EET2142	1	6	1	11		
	EET2326			1	6	1	10
	Major	1	6	2	9	1	10
2005 Internet Services Tech	CGS2820	2	20	2	22	2	23
	CGS2821	2	14	1	20	1	21
	COP2842	1	21	1	30	1	35
	COP2850	1	12	1	5	1	11
	CTS1851	7	20	6	25	7	23
	Major	13	19	11	23	12	23
2013 Computer Eng Technology	CET1112	3	15	2	14	2	20
	CET1178	2	8				
	CET2123	2	17	2	14		
	CET2154	12	19	12	18	11	23
	EET1011	4	14	3	18	3	22
	EET1021	2	20	2	15	3	12
	EET1141	2	19	2	17	2	15
	EET1607	5	16	4	19	3	21
	Major	32	17	27	17	24	20

To prevent data from skewing, the following instructional methods are excluded: Labs associated with lectures, Private/Performance, Clinicals, Co-op, DIS, Field trips and Internships.

Source: IR Program Assessment Data

Average Class Size by Course (2 of 2)

Major and Associated Courses		2012-2013		2013-2014		2014-2015	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
2047 Computer Program Analysis	CEN2002	2	20	1	25	1	29
	CGS1060	8	26	7	24	6	20
	COP1000	16	24	18	25	19	26
	COP2001	6	21	6	24	5	22
	COP2220	3	31	3	28	3	24
	COP2360			1	19	1	17
	COP2654			1	17		
	COP2660			1	16	1	12
	COP2700	4	25	4	22	4	23
	COP2800	4	29	4	26	6	29
	COP2805	1	14				
	COP2905	3	8				
	CTS2141	1	11				
	CTS2402	2	22				
	CTS2801	1	16				
	Major	51	23	46	24	46	24
2067 Computer Information Adm	CGS2100	45	23	42	25	41	24
	CGS2512	1	27			2	14
	CTS2214	1	36	1	32	2	20
	CTS2431	1	14	1	9	1	14
	Major	48	23	44	25	46	23
2204 Simulation And Robotics	CAP1801	1	8			1	7
	CAP2023	1	8	1	29	1	24
	Major	2	8	1	29	2	16

To prevent data from skewing, the following instructional methods are excluded: Labs associated with lectures, Private/Performance, Clinicals, Co-op, DIS, Field trips and Internships.

Source: IR Program Assessment Data

Average Class Size by Instructional Method- Multiple Methods Only (1 of 2)

Major, Associated Courses and Instructional Method			2012-2013		2013-2014		2014-2015	
			Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
2002 NETWORK SYSTEMS TECH	CET1600	Lecture	9	21	9	20	8	21
		Online					1	22
		Course	9	21	9	20	9	21
	CET2660	Hybrid	1	21				
		Lecture	1	23				
		Online	1	31	3	24	2	24
		Course	3	25	3	24	2	24
	CIS2350	Lecture	2	12	2	14	1	15
		Online					2	21
		Course	2	12	2	14	3	19
	CIS2381	Hybrid	1	13	1	8	1	4
		Online					1	8
		Course	1	13	1	8	2	6
	CTS2321	Hybrid	3	23	4	12	1	17
		Online	1	19	1	29	3	23
		Course	4	22	5	15	4	22
2005 INTERNET SERVICES TECH	COP2842	Lecture	1	21				
		Online			1	30	1	35
		Course	1	21	1	30	1	35
	CTS1851	Hybrid					1	4
		Lecture	2	22	2	21	2	23
		Online	5	20	4	27	4	28
		Course	7	20	6	25	7	23
2013 COMPUTER ENG TECHNOLOGY	CET1112	Lecture	3	15	2	14		
		Online					2	20
		Course	3	15	2	14	2	20
	CET2123	Hybrid	1	20	1	10		
		Lecture	1	13	1	17		
		Course	2	17	2	14		
	CET2154	Hybrid	7	22	7	21	6	24
		Lecture	5	14	4	13	3	21
		Online			1	24	2	26
		Course	12	19	12	18	11	23
	EET1011	Hybrid	2	17				
		Lecture	2	12	3	18		
		Online					3	22
		Course	4	14	3	18	3	22
	EET1021	Lecture	2	20	2	15		
		Online					3	12
		Course	2	20	2	15	3	12

Average Class Size by Instructional Method- Multiple Methods Only (2 of 2)

Major, Associated Courses and Instructional Method			2012-2013		2013-2014		2014-2015	
			Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
2047 COMPUTER PROGRAM ANALYSIS	CGS1060	Lecture	1	10				
		Online	7	28	7	24	6	20
		Course	8	26	7	24	6	20
	COP1000	Hybrid	1	16				
		Lecture	7	23	9	22	8	24
		Online	8	26	9	28	11	27
		Course	16	24	18	25	19	26
	COP2001	Hybrid	1	1				
		Online	5	25	6	24	5	22
		Course	6	21	6	24	5	22
	CTS2402	Lecture	1	15				
		Online	1	29				
		Course	2	22				
2067 COMPUTER INFORMATION ADM	CGS2100	Hybrid					1	27
		Lecture	27	21	25	24	22	21
		Online	18	27	17	26	18	27
		Course	45	23	42	25	41	24
2204 SIMULATION AND ROBOTICS	CAP2023	Lecture	1	8				
		Online			1	29	1	24
		Course	1	8	1	29	1	24

College Total

Instructional Method	2012-2013	2013-2014	2014-2015
	Avg. Size	Avg. Size	Avg. Size
Hybrid	22	22	22
Lecture	23	23	23
Online	27	28	30
College Total	24	24	25

Source: IR Program Assessment Data

To prevent data from skewing, excludes labs, OJT, clinicals, private/performance, open lab, co-op, directed independent study and internships.

Course Success Rates (1 of 2)

Major	Course	2012-2013		2013-2014		2014-2015	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2002- Network Systems Technology	CET1600	186	88%	176	82%	192	87%
	CET2615	45	87%	17	100%	27	100%
	CET2620	28	89%	25	100%	21	95%
	CET2625			13	100%		
	CET2660	75	95%	73	92%	48	90%
	CET2850	11	100%	10	100%		
	CGS2840			26	100%	19	100%
	CIS2350	23	96%	29	93%	56	71%
	CIS2381	13	77%	8	50%	12	83%
	CTS2306	70	89%	70	87%	60	95%
	CTS2320	15	100%	9	89%	15	93%
	CTS2321	87	89%	76	86%	87	83%
	CTS2328	32	100%	9	89%	9	89%
	CTS2370			15	87%	38	82%
	Major	585	90%	556	88%	584	87%
2003- Electronics Engin Tech	EET2142			6	100%	10	80%
	EET2326			9	100%	10	80%
	Major	0		15	100%	20	80%
2005- Internet Services Technology	CGS2820	39	77%	43	79%	46	70%
	CGS2821	28	75%	21	90%	21	86%
	COP2842	21	71%	30	87%	36	86%
	COP2850	12	75%	6	83%	11	100%
	CTS1851	142	68%	150	59%	161	68%
	Major	242	71%	250	69%	275	73%
2013- Computer Engineering Technology	CET1112	46	72%	27	85%	39	64%
	CET1178	16	100%				
	CET2123	33	70%	27	89%	3	100%
	CET2154	223	84%	219	84%	255	82%
	EET1011	57	86%	54	70%	67	79%
	EET1021	40	75%	29	90%	35	94%
	EET1141	37	68%	34	85%	30	80%
	EET1607	82	85%	75	88%	63	81%
	Major	534	81%	465	84%	492	81%

Indicates more than 5% decrease from prior year.

Source: IR Program Assessment Data

Course Success Rates (2 of 2)

Major	Course	2012-2013		2013-2014		2014-2015	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2047- Computer Programming & Analysis	CEN2002	40	53%	25	84%	29	83%
	CGS1060	205	77%	170	79%	117	77%
	COP1000	385	69%	451	74%	488	71%
	COP2001	127	61%	141	70%	110	69%
	COP2220	93	63%	86	63%	73	52%
	COP2360			19	58%	17	59%
	COP2654			17	88%		
	COP2660			16	63%	12	92%
	COP2700	100	36%	87	54%	92	55%
	COP2800	115	64%	104	65%	173	68%
	COP2805	14	71%				
	COP2905	23	96%				
	CTS2141	11	91%				
	CTS2402	44	52%				
	CTS2801	16	88%				
	Major	1,173	66%	1,116	71%	1,111	69%
2067- Computer information Technology	CGS2100	1,048	79%	1,043	82%	986	80%
	CGS2512	27	89%	1	100%	28	89%
	CTS2214	36	69%	32	78%	39	85%
	CTS2431	14	64%	9	56%	14	79%
	Major	1,125	79%	1,085	81%	1,067	80%
2204- Simulation & Robotics	CAP1801	8	75%			7	57%
	CAP2023	8	63%	29	76%	24	71%
	Major	16	69%	29	76%	31	68%
	Total	3,675	76%	3,516	79%	3,580	77%

Indicates more than 5% decrease from prior year.

Source: IR Program Assessment Data

Course Success Rates by Campus – Multiple Campus Only

Major, Associated Courses and Campus			2012-2013		2013-2014		2014-2015	
			Attempted	% Successful	Successful	% Successful	Successful	% Successful
2002- Network Systems Technology	CET1600	Adv Tech College	153	88%	117	82%	113	86%
		DeLand	33	85%	27	82%	32	82%
		Course	186	88%	144	82%	145	85%
2005- Internet Services Technology	CTS1851	Adv Tech College	43	70%	30	73%	30	67%
		New Smyrna Beach					3	75%
		Course	43	70%	30	73%	33	67%
2013- Computer Engineering Technology	CET1178	Adv Tech College	11	100%				
		DeLand	5	100%				
		Course	16	100%				
	CET2154	Adv Tech College	163	85%	130	86%	119	84%
		DeLand	32	75%	28	85%	34	77%
		Flagler/Palm Cst	28	89%	10	91%	13	72%
		Course	223	84%	168	86%	166	82%
2047- Computer Programming & Analysis	COP1000	Adv Tech College	149	70%	109	73%	90	64%
		DeLand	28	86%	44	85%	48	89%
		Course	177	72%	153	76%	138	71%
2067- Computer Information Technology	CGS2100	Daytona	397	82%	318	81%	263	83%
		DeLand	68	91%	60	90%	48	83%
		Deltona	25	96%	36	82%	38	88%
		Flagler/Palm Cst	45	89%	47	87%	40	87%
		New Smyrna Beach	31	74%	31	91%	23	74%
		Course	566	84%	492	83%	412	83%

Excludes fully online courses.

Indicates more than 5% difference between campuses.

Source: IR Program Assessment Data

Course Success Rates by Instructional Method – Multiple Methods Only (1 of 3)

Major, Associated Courses and Instructional Method			2012-2013		2013-2014		2014-2015	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2002- Network Systems Technology	CET1600	Lecture	186	88%	176	82%	170	85%
		Online					22	100%
		Course	186	88%	176	82%	192	87%
	CET2660	Hybrid	21	95%				
		Lecture	23	96%				
		Online	31	94%	73	92%	48	90%
		Course	75	95%	73	92%	48	90%
	CIS2350	DIS			1	100%		
		Lecture	23	96%	28	93%	15	67%
		Online					41	73%
		Course	23	96%	29	93%	56	71%
	CIS2381	Hybrid	13	77%	8	50%	4	75%
		Online					8	88%
		Course	13	77%	8	50%	12	83%
	CTS2321	Hybrid	68	87%	47	85%	17	76%
		Online	19	95%	29	86%	70	84%
		Course	87	89%	76	86%	87	83%
2003- Electronics Engineering Tech	EET2142	DIS			6	100%	2	100%
		Lecture	6	100%	11	100%		
		Course	6	100%	17	100%	2	100%
	EET2326	DIS			3	100%		
		Lecture			6	100%	10	80%
		Course			9	100%	10	80%
2005- Internet Services Technology	CGS2821	DIS			1	100%		
		Online	28	75%	20	90%	21	86%
		Course	28	75%	21	90%	21	86%
	COP2842	DIS					1	100%
		Lecture	21	71%				
		Online			30	87%	35	86%
		Course	21	71%	30	87%	36	86%
	COP2850	DIS			1	100%		
		Online	12	75%	5	80%	11	100%
		Course	12	75%	6	83%	11	100%
	CTS1851	Hybrid					4	75%
		Lecture	43	70%	41	73%	45	67%
		Online	99	68%	109	54%	112	68%
		Course	142	68%	150	59%	161	68%

Indicates more than 5% decrease from prior year.

Source: IR Program Assessment Data

Course Success Rates by Instructional Method – Multiple Methods Only (2 of 3)

Major, Associated Courses and Instructional Method			2012-2013		2013-2014		2014-2015	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2013- Computer Engineering Technology	CET1112	Lecture	46	72%	27	85%		
		Online					39	64%
		Course	46	72%	27	85%	39	64%
	CET2123	DIS					3	100%
		Hybrid	20	65%	10	100%		
		Lecture	13	77%	17	82%		
		Course	33	70%	27	89%	3	100%
	CET2154	Hybrid	152	84%	145	86%	141	84%
		Lecture	71	85%	50	86%	62	76%
		Online			24	71%	52	81%
		Course	223	84%	219	84%	255	82%
	EET1011	Hybrid	33	91%				
		Lecture	24	79%	54	70%		
		Online					67	79%
		Course	57	86%	54	70%	67	79%
	EET1021	Lecture	40	75%	29	90%		
		Online					35	94%
		Course	40	75%	29	90%	35	94%
2047- Computer Programming & Analysis	CGS1060	Lecture	10	80%				
		Online	195	77%	170	79%	117	77%
		Course	205	77%	170	79%	117	77%
	COP1000	Hybrid	16	50%				
		Lecture	161	75%	202	76%	195	71%
		Online	208	67%	249	72%	293	71%
		Course	385	69%	451	74%	488	71%
	COP2001	Hybrid	1	0%				
		Online	126	62%	141	70%	110	69%
		Course	127	61%	141	70%	110	69%
	COP2220	DIS			1	100%		
		Online	93	63%	85	62%	73	52%
		Course	93	63%	86	63%	73	52%
	CTS2402	Lecture	15	53%				
		Online	29	52%				
		Course	44	52%				

Indicates more than 5% decrease from prior year.

Source: IR Program Assessment Data

Course Success Rates by Instructional Method – Multiple Methods Only (3 of 3)

Major, Associated Courses and Instructional Method			2012-2013 Attempted	2012-2013 % Successful	2013-2014 Attempted	2013-2014 % Successful	2014-2015 Attempted	2014-2015 % Successful
2067- Computer Information Technology	CGS2100	Hybrid					27	63%
		Lecture	566	84%	593	83%	469	84%
		Online	482	74%	450	80%	490	76%
		Course	1048	79%	1043	82%	986	80%
	CGS2512	DIS			1	100%		
		Online	27	89%			28	89%
		Course	27	89%	1	100%	28	89%
2204- Simulation & Robotics	CAP2023	Lecture	8	63%				
		Online			29	76%	24	71%
		Course	8	63%	29	76%	24	71%

Indicates more than 5% decrease from prior year.

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (1 of 6)

Major, Associated Courses and Sub-session				2012-2013		2013-2014		2014-2015	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2002- Network Systems Technology	CET1600	FA	Full term	76	88%	91	86%	88	85%
		SP	Full term	86	85%	67	73%	81	89%
		SU	Full term	24	96%	18	94%	23	87%
			Course	186	88%	176	82%	192	87%
	CET2615	FA	Full term	23	78%	17	100%	18	100%
		SP	Full term	22	95%			9	100%
			Course	45	87%	17	100%	27	100%
	CET2620	FA	Full term	16	81%	16	100%	12	92%
		SP	Full term	12	100%	9	100%	9	100%
			Course	28	89%	25	100%	21	95%
	CET2660	FA	Full term	52	94%	40	90%	27	89%
		SP	Full term	23	96%	33	94%	21	90%
			Course	75	95%	73	92%	48	90%
	CGS2840	FA	Full term			17	100%	19	100%
		SP	Full term			9	100%		
			Course			26	100%	19	100%
	CIS2350	FA	Full term	11	91%	16	88%	15	67%
		SP	Full term	12	100%	12	100%	41	73%
		SU	Full term			1	100%		
			Course	23	96%	29	93%	56	71%
	CTS2306	FA	Full term	36	86%	25	84%	23	100%
		SP	Full term	18	89%	29	86%	23	87%
		SU	Full term	16	94%	16	94%	14	100%
			Course	70	89%	70	87%	60	95%
	CTS2321	FA	Full term	40	93%	28	82%	43	91%
		SP	Full term	47	85%	39	90%	44	75%
		SU	Full term			9	78%		
			Course	87	89%	76	86%	87	83%
	CTS2328	FA	Full term	8	100%				
		SP	Full term	20	100%	9	89%	9	89%
		SU	Full term	4	100%				
			Course	32	100%	9	89%	9	89%
	CTS2370	FA	Full term			9	89%	19	79%
		SP	Full term			6	83%	16	81%
		SU	Full term					3	100%
			Course			15	87%	38	82%

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (2 of 6)

Major, Associated Courses and Sub-session				2012-2013		2013-2014		2014-2015	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2003-Electronics Engineering Tech	EET2142	FA	Full term			1	100%	1	100%
		SP	Full term	6	100%	11	100%	1	100%
		SU	Full term			5	100%		
			Course	6	100%	17	100%	2	100%
	EET2326	FA	Full term			6	100%	10	80%
		SU	Full term			3	100%		
			Course			9	100%	10	80%
2005-Internet Services Technology	CGS2820	FA	Full term	20	55%	15	80%	19	74%
		SP	Full term	19	100%	28	79%	27	67%
			Course	39	77%	43	79%	46	70%
	CGS2821	FA	Full term	10	70%	1	100%		
		SP	Full term	18	78%	20	90%	21	86%
			Course	28	75%	21	90%	21	86%
	COP2842	FA	Full term	21	71%	30	87%	35	86%
		SP	Full term					1	100%
			Course	21	71%	30	87%	36	86%
	COP2850	FA	Full term	12	75%	5	80%		
		SP	Full term			1	100%	11	100%
			Course	12	75%	6	83%	11	100%
	CTS1851	FA	Full term	59	68%	53	51%	83	65%
		SP	Full term	64	66%	70	64%	53	74%
		SU	Full term	19	79%	27	63%	25	64%
			Course	142	68%	150	59%	161	68%

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (3 of 6)

Major, Associated Courses and Sub-session				2012-2013		2013-2014		2014-2015	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2013-Computer Engineering Technology	CET1112	FA	Full term	31	71%	15	87%	19	53%
		SP	Full term	15	73%	12	83%	20	75%
			Course	46	72%	27	85%	39	64%
	CET2123	FA	Full term	13	77%	17	82%	3	100%
		SP	Full term	20	65%	10	100%		
			Course	33	70%	27	89%	3	100%
	CET2154	FA	Full term	106	82%	94	85%	124	78%
		SP	Full term	82	82%	99	82%	110	82%
		SU	Full term	35	97%	26	92%	21	100%
			Course	223	84%	219	84%	255	82%
	EET1011	FA	Full term	33	91%	32	59%	42	79%
		SP	Full term	24	79%	22	86%	25	80%
			Course	57	86%	54	70%	67	79%
	EET1021	FA	Full term	18	83%	16	88%	10	100%
		SP	Full term	22	68%	13	92%	25	92%
			Course	40	75%	29	90%	35	94%
	EET1141	FA	Full term	17	41%	18	83%	6	83%
		SP	Full term	20	90%	16	88%	24	79%
			Course	37	68%	34	85%	30	80%
	EET1607	FA	Full term	37	81%	24	88%	20	80%
		SP	Full term	45	89%	34	85%	24	79%
		SU	Full term			17	94%	19	84%
			Course	82	85%	75	88%	63	81%
	EET2949	FA	Full term			1	100%	4	75%
		SP	Full term			2	100%	1	100%
		SU	Full term			1	100%		
			Course			4	100%	5	80%

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (4 of 6)

Major, Associated Courses and Sub-session				2012-2013		2013-2014		2014-2015	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2047- Computer Programming & Analysis	CET2949	FA	B term	1	100%	1	100%		
			Full term	5	100%	1	100%	1	100%
			Session	6	100%	2	100%	1	100%
		SP	A term			1	100%		
			B term			1	100%		
			Full term	3	100%	5	100%	2	100%
			Session	3	100%	7	100%	2	100%
		SU	Full term	7	86%	6	100%	2	100%
			Course	16	94%	15	100%	5	100%
	CGS1060	FA	B term	30	63%	25	80%	19	53%
			Full term	39	77%	26	88%	21	86%
			Session	69	71%	51	84%	40	70%
		SP	A term	22	68%	26	96%	17	88%
			B term	31	55%	17	71%	22	68%
			Full term	27	81%	28	75%	11	82%
			Session	80	68%	71	82%	50	78%
		SU	Full term	56	98%	48	69%	27	85%
			Course	205	77%	170	79%	117	77%
	COP1000	FA	Full term	156	64%	181	69%	191	62%
		SP	A term			57	72%	59	85%
			B term					19	63%
			Full term	180	72%	147	77%	156	72%
			Session	180	72%	204	75%	234	74%
		SU	Full term	49	78%	66	83%	63	84%
			Course	385	69%	451	74%	488	71%
	COP2001	SP	B term			23	65%	19	53%
			Full term	85	56%	68	71%	45	71%
			Session	85	56%	91	69%	64	66%
		SU	Full term	42	71%	50	72%	46	74%
			Course	127	61%	141	70%	110	69%
	COP2220	FA	Full term	93	63%	85	62%	73	52%
		SP	Full term			1	100%		
			Course	93	63%	86	63%	73	52%
	COP2700	FA	Full term	49	29%	43	51%	50	66%
		SP	Full term	51	43%	44	57%	42	43%
			Course	100	36%	87	54%	92	55%
	COP2800	FA	B term					17	88%
			Full term	61	67%	50	68%	55	58%
			Session	61	67%	50	68%	72	65%
		SP	B term					22	82%
			Full term	54	61%	54	63%	79	67%
			Session	54	61%	54	63%	101	70%
			Course	115	64%	104	65%	173	68%

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (5 of 6)

Major, Associated Courses and Sub-session				2012-2013		2013-2014		2014-2015	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2047- Computer Programming & Analysis	COP2905	FA	Full term	6	83%				
		SP	Full term	13	100%				
		SU	Full term	4	100%				
			Course	23	96%				
	COP2949	FA	A term			1	100%	3	100%
			B term	3	100%	1	100%	3	100%
			Full term	3	100%	11	91%	6	83%
			Session	6	100%	13	92%	12	92%
		SP	A term			1	100%	2	100%
			B term	1	100%				
			Full term	11	100%	12	100%	14	100%
			Session	12	100%	13	100%	16	100%
		SU	Full term	12	92%	10	90%	7	100%
			Course	30	97%	36	94%	35	97%
	CTS2402	FA	Full term	29	52%				
		SP	Full term	15	53%				
			Course	44	52%				
	CGS2100	FA	A term	27	85%	25	92%	25	100%
			B term	59	69%	57	79%	58	74%
			Full term	367	80%	383	81%	372	78%
			Session	453	79%	465	81%	455	79%
		SP	A term	54	80%	54	76%	49	78%
			B term	81	69%	54	76%	37	84%
			Full term	281	79%	317	83%	279	82%
			Session	416	77%	425	81%	365	82%
		SU	Full term	179	87%	153	86%	166	77%
			Course	1048	79%	1043	82%	986	80%
2067- Computer Information Technology	CGS2512	FA	Full term			1	100%	16	94%
		SP	Full term	27	89%			12	83%
			Course	27	89%	1	100%	28	89%
	CIS2949	FA	A term	6	100%	1	100%		
			B term	3	100%	2	100%	4	100%
			Full term	7	100%	6	100%	4	75%
			Session	16	100%	9	100%	8	88%
		SP	A term			4	100%		
			B term	3	67%	2	100%	2	100%
			Full term	17	100%	9	100%	10	100%
			Session	20	95%	15	100%	12	100%
		SU	Full term	10	90%	9	100%	10	100%
			Course	46	96%	33	100%	30	97%

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (6 of 6)

Major, Associated Courses and Sub-session				2012-2013		2013-2014		2014-2015	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2204-Simulation & Robotics	CAP1801	FA	Full term					7	57%
		SP	Full term	8	75%				
			Course	8	75%			7	57%
	CAP2949	FA	A term					2	100%
			Full term			1	100%	1	100%
			Session			1	100%	3	100%
		SP	Full term	1	100%	1	100%		
		SU	Full term			2	100%		
			Course	1	100%	4	100%	3	100%

Indicates more than 5% difference between sessions or sub-sessions.

Source: IR Program Assessment Data

Placement Rates (1 of 2)

Program Title	Major(s)	2010/11		2011/12		2012/13		Average Annual Salary
		DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
Advanced Network Infrastructure	0908	100%	80%	83%	75%	50%	78%	$**,***
Cable Installation	0921	88%	93%	72%	67%	87%	80%	$**,***
Computer Engineering Technology	2013	62%	76%	60%	71%	78%	62%	$**,***
Computer Information Technology	2067	50%	73%	100%	80%	75%	59%	$**,***
Computer Programming	0938	50%	82%	63%	78%	75%	86%	$**,***
Computer Programming and Analysis (Software Engineering Technology)	2047	67%	80%	88%	82%	80%	83%	$**,***
Electronics Engineering Technology	2003	100%	77%	63%	81%	100%	78%	$**,***
Information Technology Administration	0902	100%	86%	100%	95%	100%	100%	$**,***
Information Technology Analysis	0903	79%	84%	75%	80%	100%	96%	$**,***
Information Technology Support Specialist	0905	83%	88%	92%	88%	94%	97%	$ 31,764
Internet Services Technology	2005	100%	81%	100%	78%	75%	55%	$**,***

Notes:

Graduates in cohort year are tracked in the following year and reported 1 year later.

All continuing education outcomes are based on enrollment data for the fall semester and preliminary winter/spring semester.

All employment outcomes are based on the October - December quarterly data each year.

Individuals are only counted in one educational sector.

Full quarter earnings displayed only when 10 or more graduates are employed full time/full quarter.

Source: IR Program Assessment Data

Placement Rates (2 of 2)

Program Title	Major(s)	2010/11		2011/12		2012/13		Average Annual Salary
		DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
Microcomputer Repairer/Installer	0907	74%	92%	93%	91%	85%	88%	$ 33,448
Network Communications (LAN)	0923	77%	80%	82%	81%	82%	83%	$**,***
Network Communications (WAN)	0924	77%	77%	79%	79%	89%	89%	$**,***
Network Infrastructure	0922	79%	71%	79%	73%	76%	67%	$ 34,332
Network Server Administration	0904	77%	75%	76%	86%	100%	95%	$**,***
Network Support Technician	0906	77%	82%	89%	81%	96%	94%	$**,***
Network Systems Technology	2002	63%	71%	76%	75%	96%	96%	$**,***
Simulation and Robotics Technology	2204	75%	75%	71%	71%	0%	0%	$**,***
Web Development Specialist	0909	100%	85%	100%	68%	83%	54%	$**,***
Wireless Communications	0925	71%	80%	73%	83%	100%	97%	$**,***

Notes:

Graduates in cohort year are tracked in the following year and reported 1 year later.

All continuing education outcomes are based on enrollment data for the fall semester and preliminary winter/spring semester.

All employment outcomes are based on the October - December quarterly data each year.

Individuals are only counted in one educational sector.

Full quarter earnings displayed only when 10 or more graduates are employed full time/full quarter.

Source: IR Program Assessment Data

Program Learning Outcomes

Network Systems Technology, code 2002

Certificate Advance Network Infrastructure, code 0908

Certificate Network Infrastructure, code 0922

Certificate Network Server Administration, code 0904

Certificate Network Support Technician, code 0906

Certificate Cable Installation, code 0921

Certificate Network Communications (LAN), code 0923

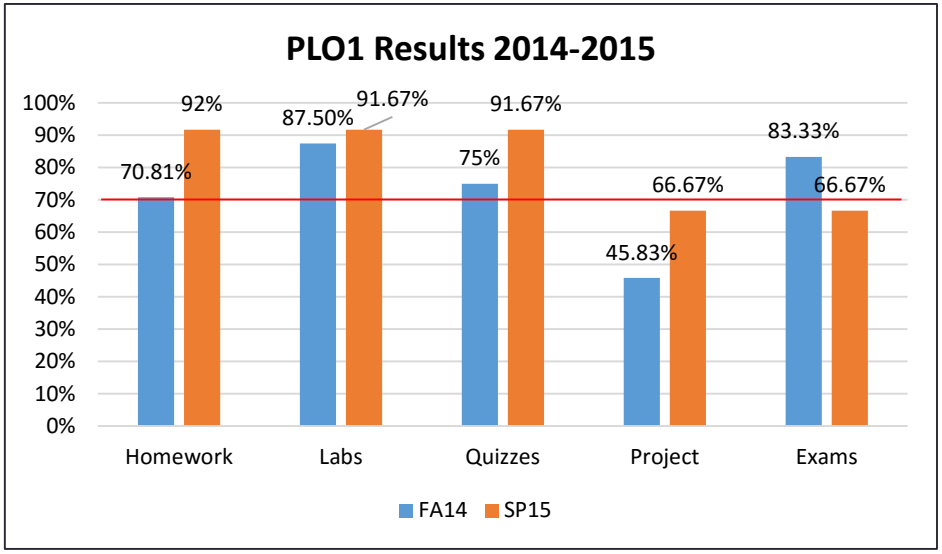
Certificate Network Communications (WAN), code 0924

Certificate Wireless Communications, code 0925

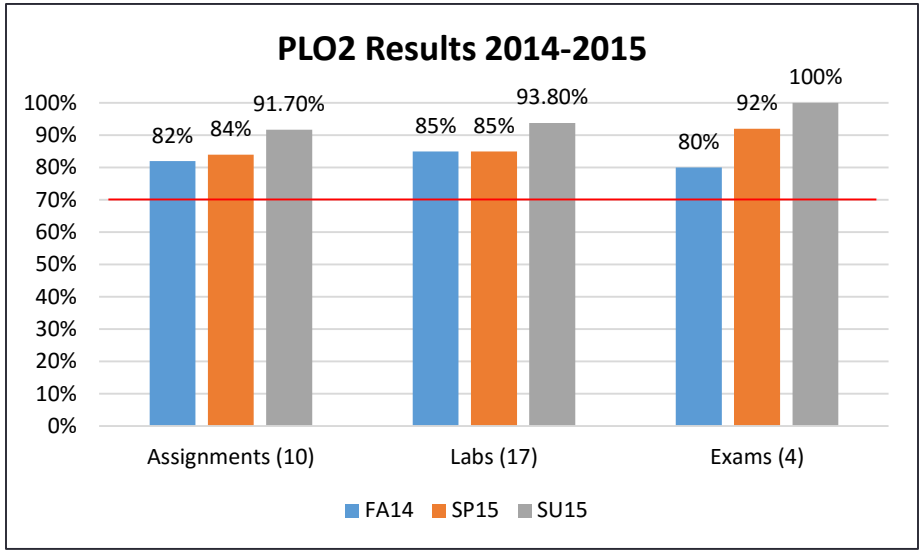
Graduates of the program will be able to:

1. Analyze a problem, and identify and define the network services requirements appropriate to its solution.
2. Design, implement and evaluate a network services based system, process, component, or program to meet desired needs.
3. Apply knowledge of network services appropriate to the discipline.
4. Function effectively on teams to accomplish a common goal.
5. Apply and understand professional, ethical, legal, security, and social issues and responsibilities.
6. Communicate effectively with a range of audiences.
7. Analyze the local and global impact of network services on individuals, organizations and society.
8. Recognize the need for, and an ability to engage in, continuing professional development.
9. Use current techniques, skills, and tools necessary for network services practices.
10. Apply network services foundations and theory in the modeling and design of network services based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
11. Apply design and development principles in the construction of network services systems of varying complexity.

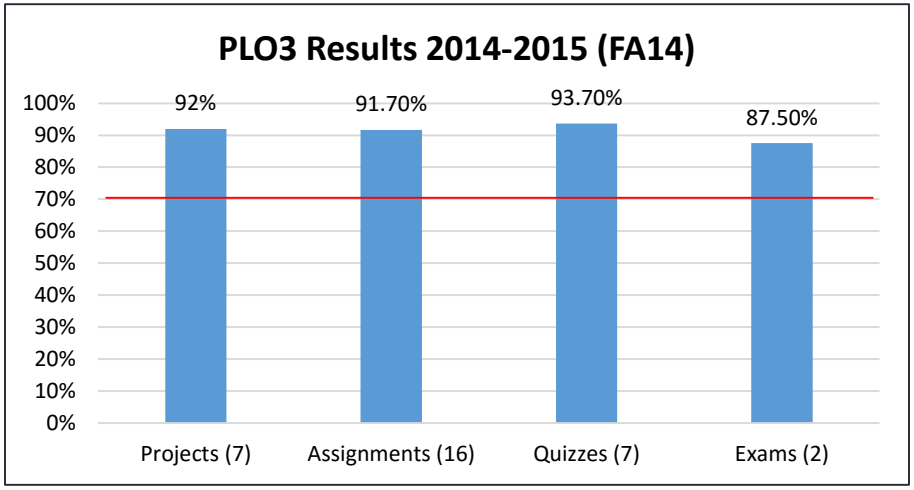
Assessment Results 2014-2015



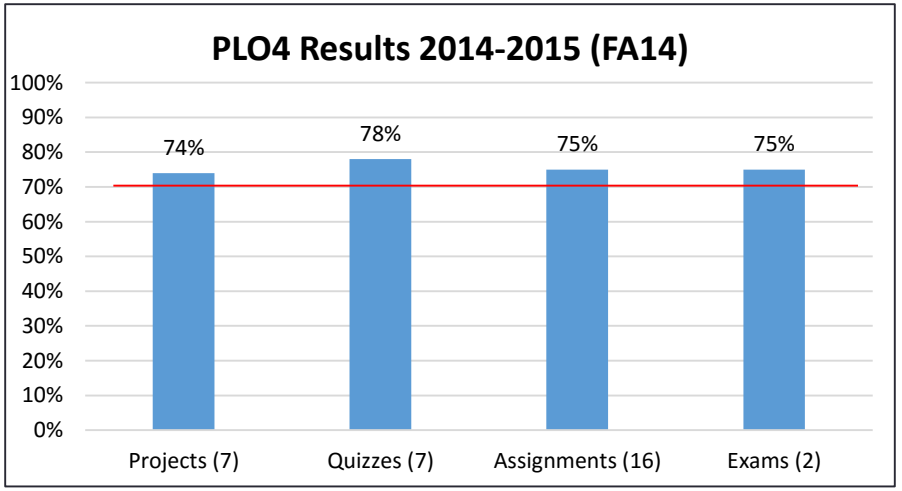
Analyze a problem, and identify and define the network services requirements appropriate to its solution



Design, implement and evaluate a network services based system, process, component, or program to meet desired needs

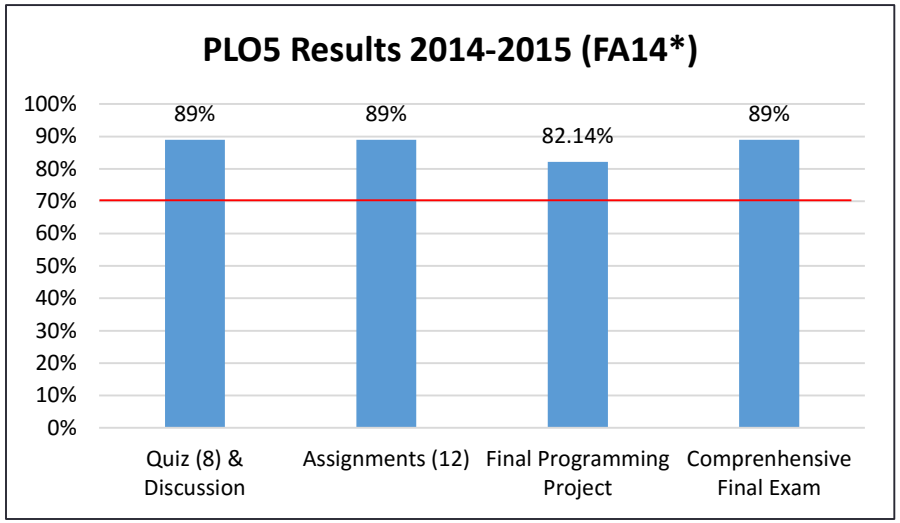


Apply knowledge of network services appropriate to the discipline

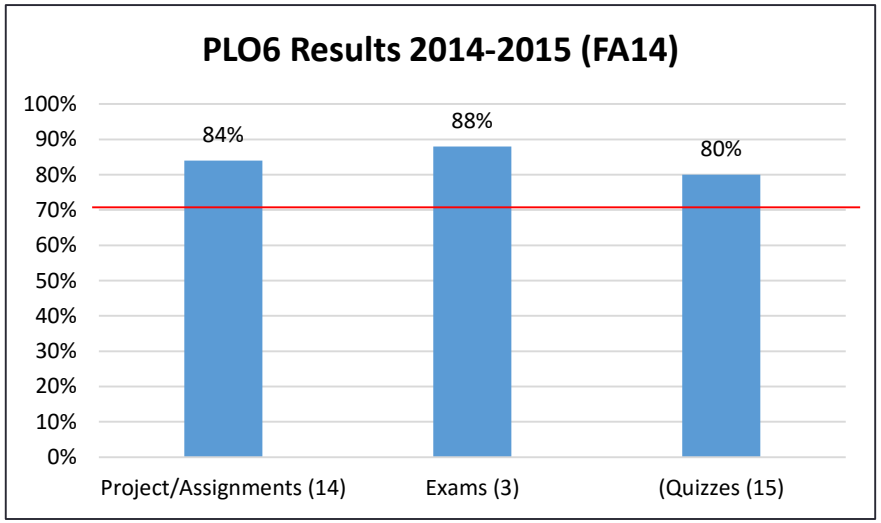


Function effectively on teams to accomplish a common goal

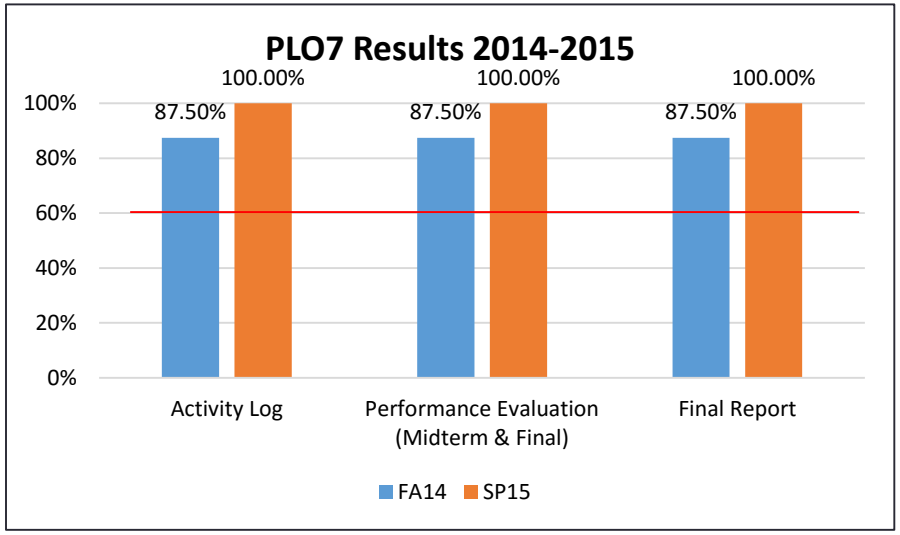
Assessment Results 2014-2015



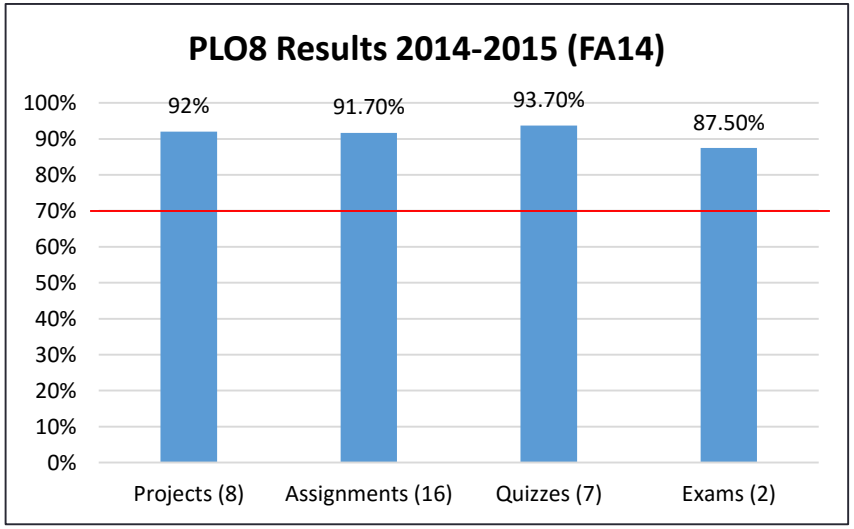
Apply and understand professional, ethical, legal, security, and social issues and responsibilities. *Results given in class average



Communicate effectively with a range of audiences

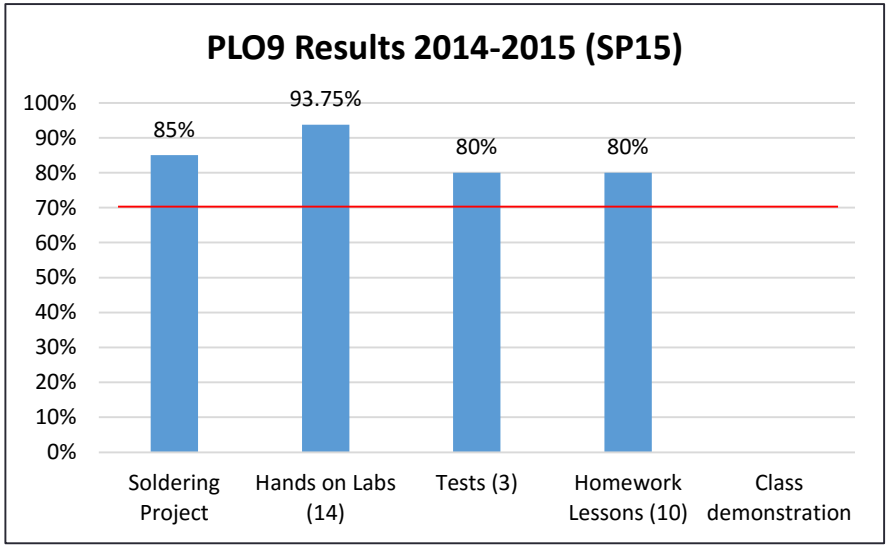


Analyze the local and global impact of network services on individuals, organizations and society

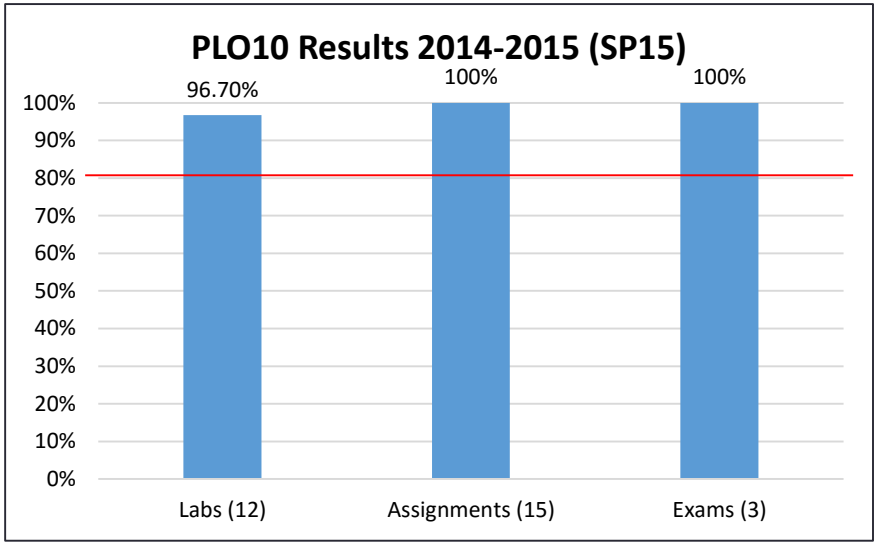


Recognize the need for, and an ability to engage in, continuing professional development

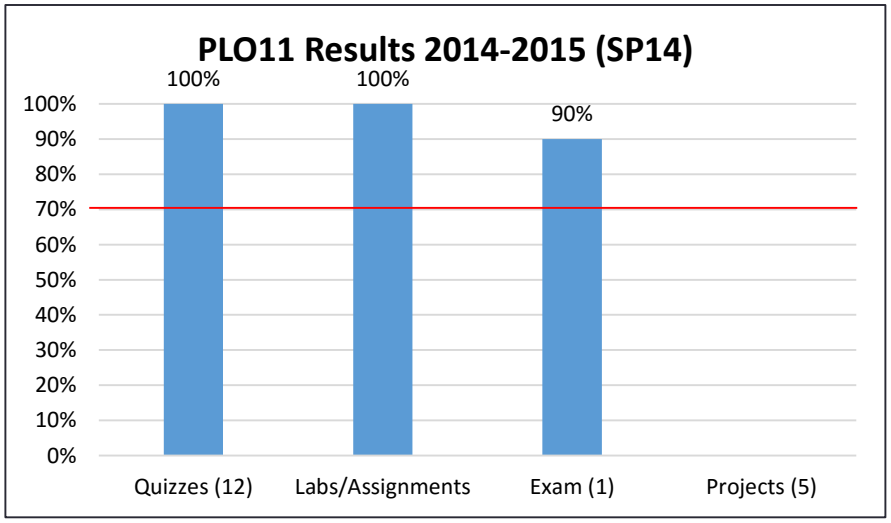
Assessment Results 2014-2015



Use current techniques, skills, and tools necessary for network services practices



Apply network services foundations and theory in the modeling and design of network services based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices



Apply design and development principles in the construction of network services systems of varying complexity

Program Learning Outcomes

AS Internet Services Technology, code 2005

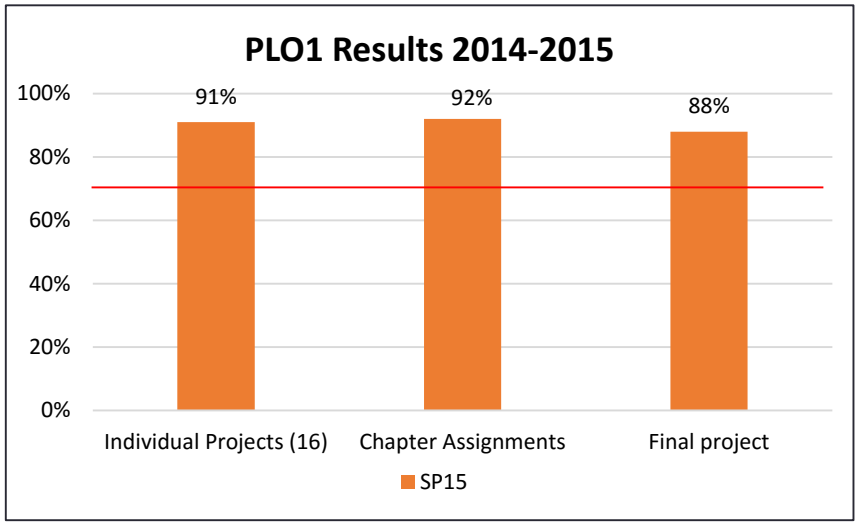
Certificate Information Technology Administration, code 0902

Certificate Web Development Specialist, code 0909

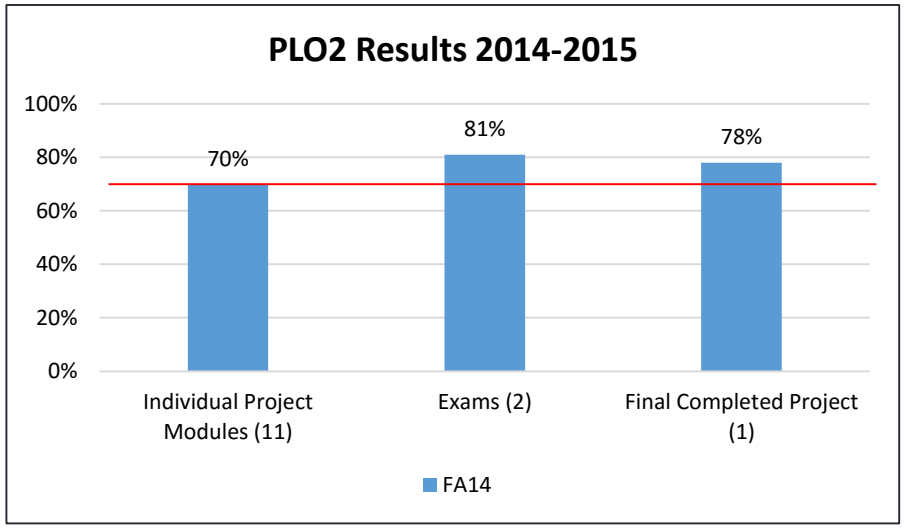
Graduates of the program will be able to:

1. Use relevant tools necessary for Internet development.
2. Apply and demonstrate independent problem solving and trouble shooting skills in web site development, database, and web database integration.
3. Demonstrate knowledge and understanding of computer hardware and networked environments.
4. Design, implement and manage database applications.
5. Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users.
6. Function as a member of a team in the solution of problems.
7. Contribute to chosen field by gaining employment in a related field or by continuing professional development.
8. Evaluate and practice ethical and professional behaviors in the area of Internet Services Technology.

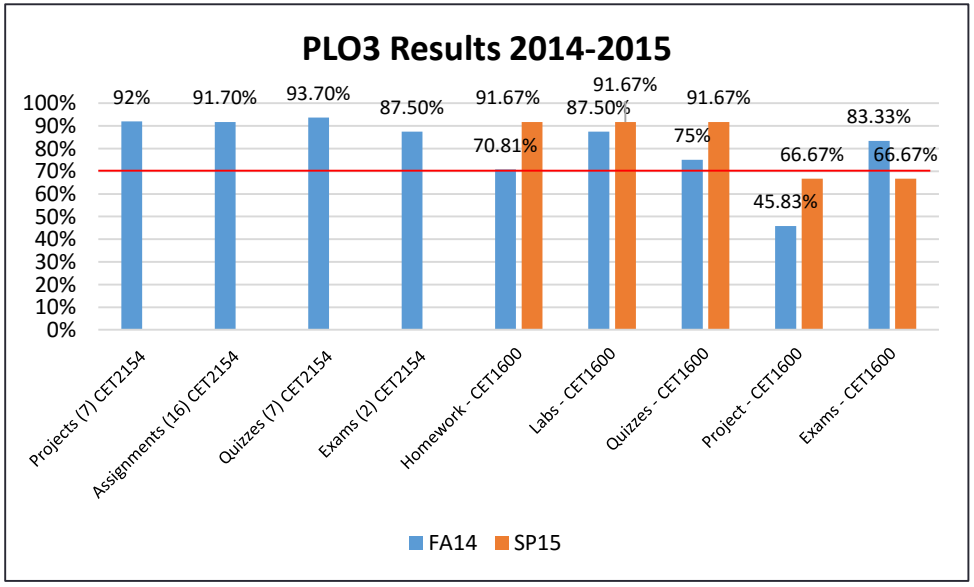
Assessment Results 2014-2015



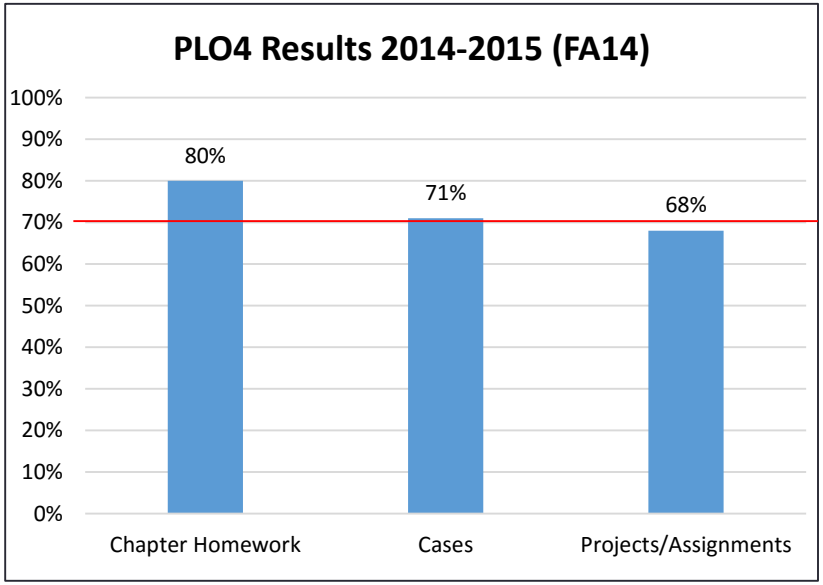
Use relevant tools necessary for Internet development



Apply and demonstrate independent problem solving and trouble shooting skills in web site development, database, and web database integration

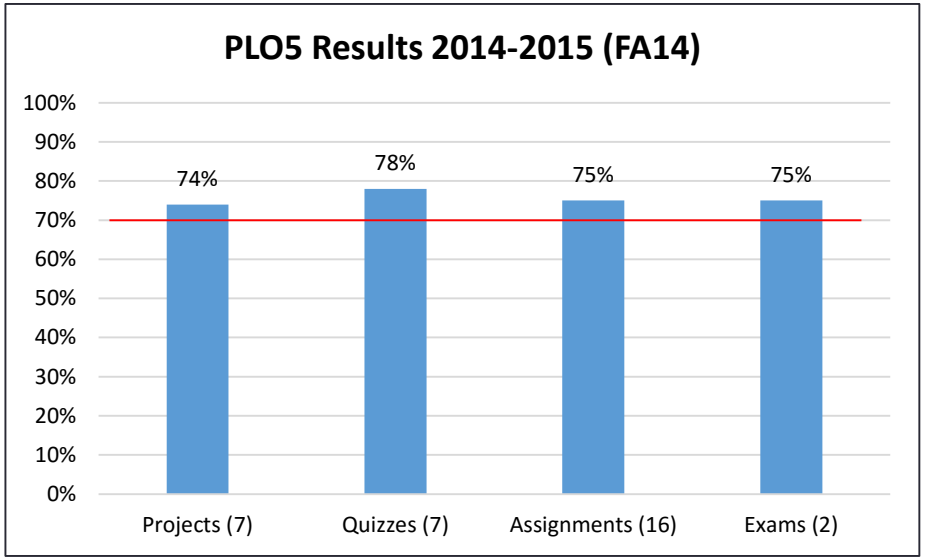


Demonstrate knowledge and understanding of computer hardware and networked environments

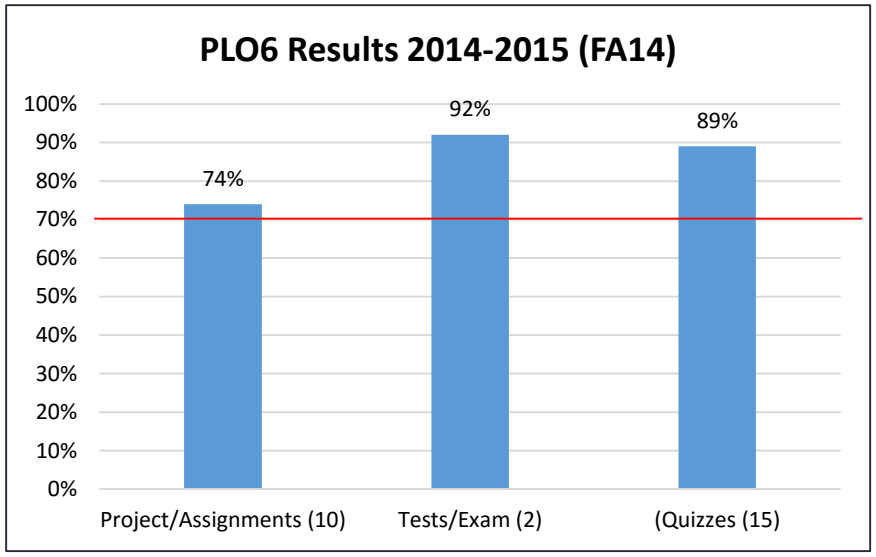


Design, implement and manage database applications

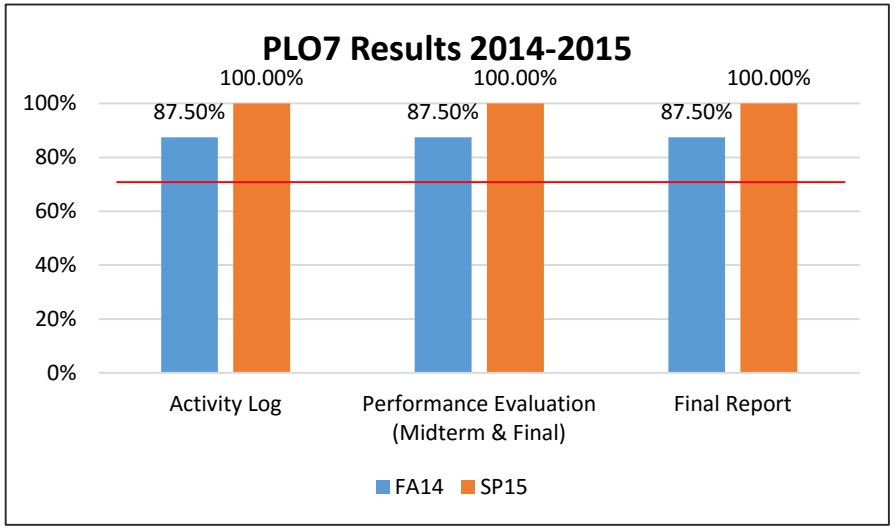
Assessment Results 2014-2015



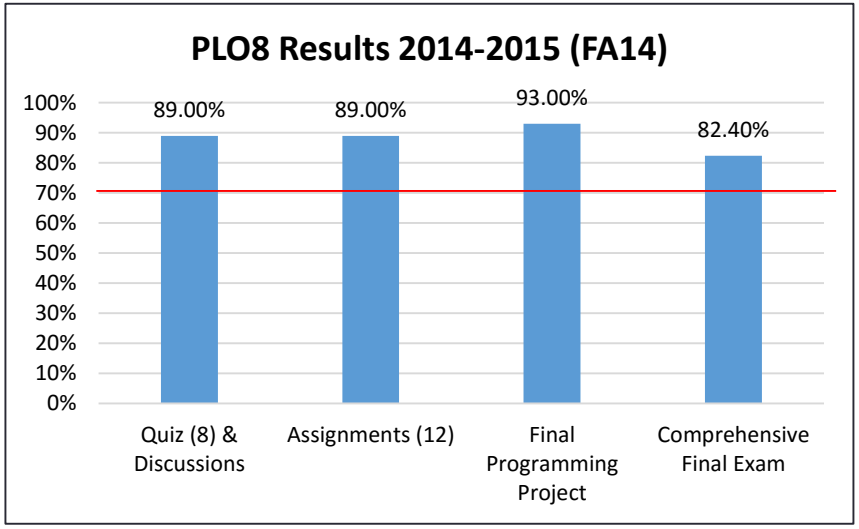
Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users



Function as a member of a team in the solution of problems



Contribute to chosen field by gaining employment in a related field or by continuing professional development



Evaluate and practice ethical and professional behaviors in the area of Internet Services Technology

Program Learning Outcomes

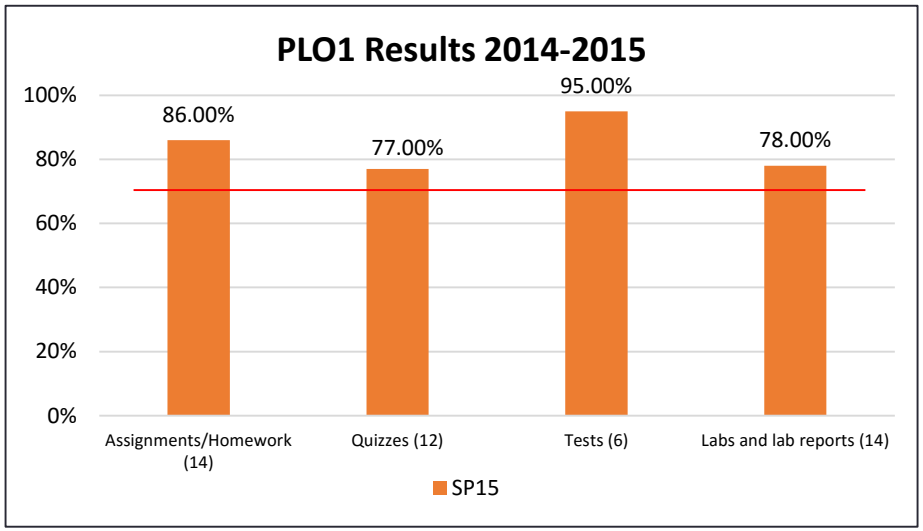
AS Computer Engineering Technology, code 2013

Certificate Microcomputer Repairer Technology, code 0907

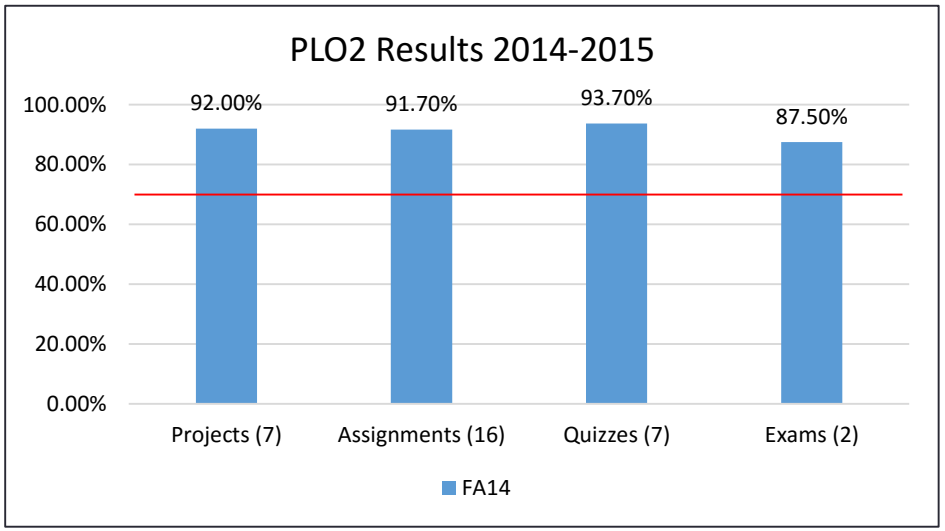
Graduates of the program will be able to:

1. Apply knowledge of mathematics, basic science, and engineering technology to solve problems encompassing the fundamental areas of computer engineering technology.
2. Apply knowledge of one or more disciplines to the application, installation, operation, and/or maintenance of computer systems.
3. Conduct and create experiments to acquire needed data and to analyze and interpret the data to solve engineering technology problems.
4. Comply and function as a member of a diverse multidisciplinary team in the solution of engineering problems.
5. Demonstrate proficiency in communicating ideas and information orally and in writing.
6. Relate the need for, and an ability to learn and apply new concepts as required in the continually evolving and rapidly changing practice of computer engineering technology.
7. Comprehend ethical responsibility and professional integrity issues as related to computer technology.
8. Comprehend contemporary technological and societal issues and the impact of computer technology on society in both a local and global context.

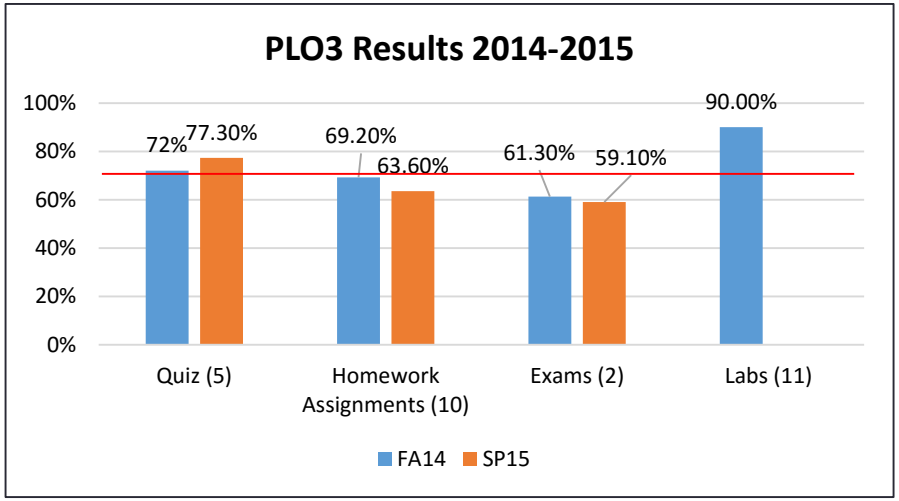
Assessment Results 2014-2015



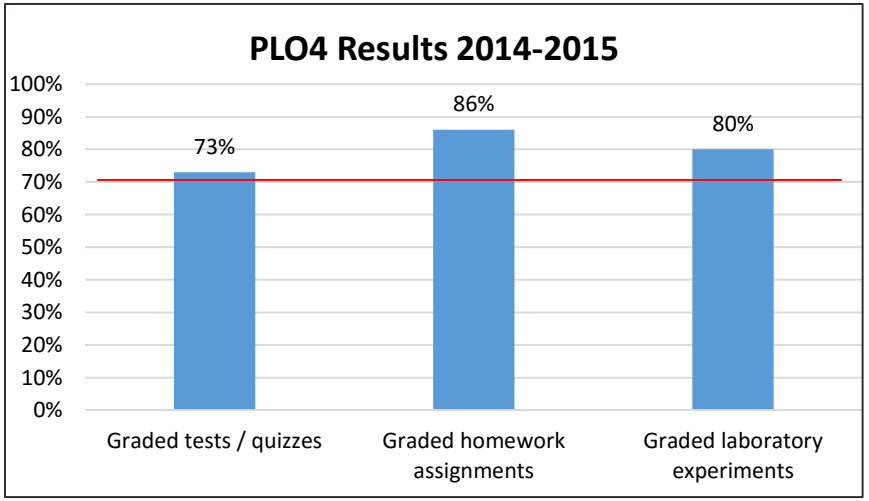
Apply knowledge of mathematics, basic science, and engineering technology to solve problems encompassing the fundamental areas of computer engineering technology



Apply knowledge of one or more disciplines to the application, installation, operation, and/or maintenance of computer systems

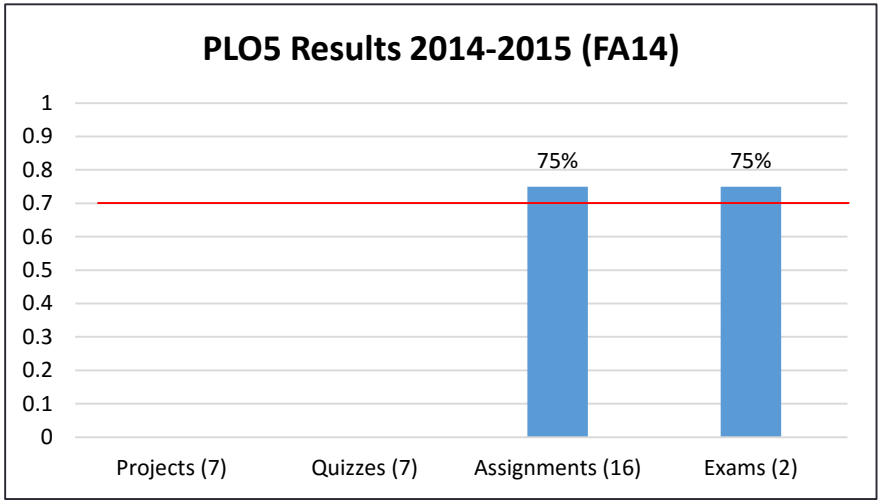


Conduct and create experiments to acquire needed data and to analyze and interpret the data to solve engineering technology problems

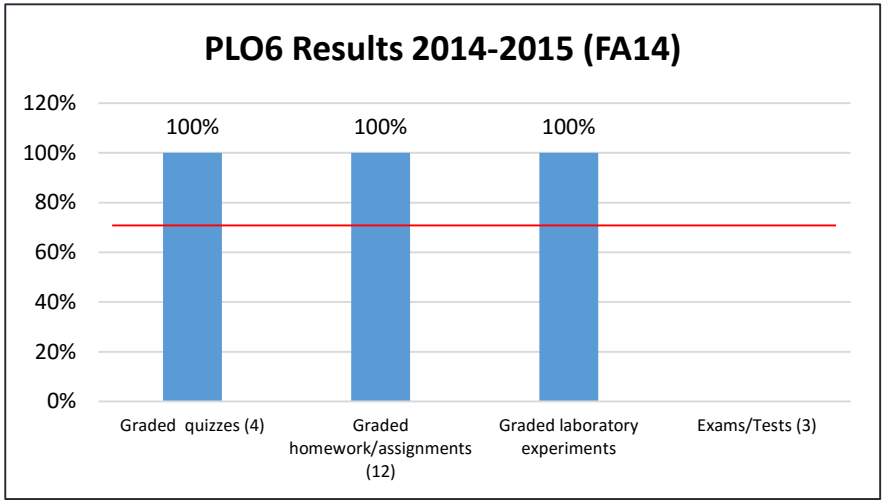


Comply and function as a member of a diverse multidisciplinary team in the solution of engineering problems

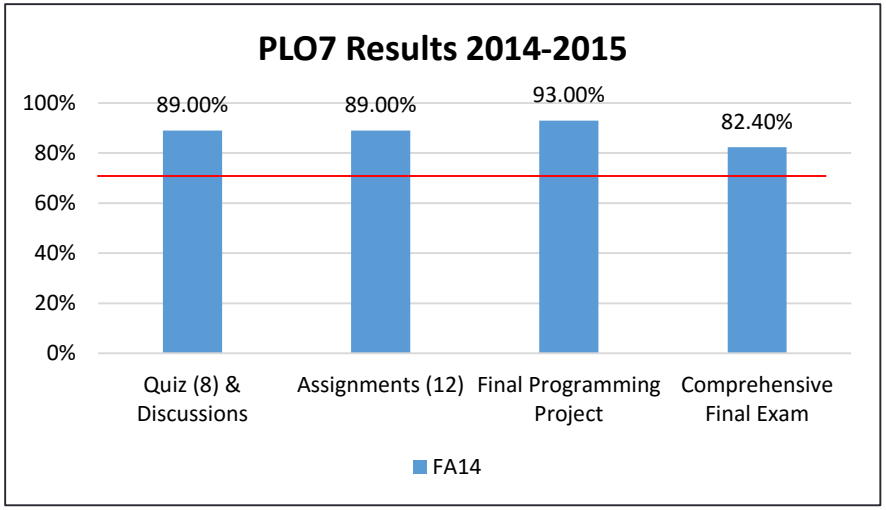
Assessment Results 2014-2015



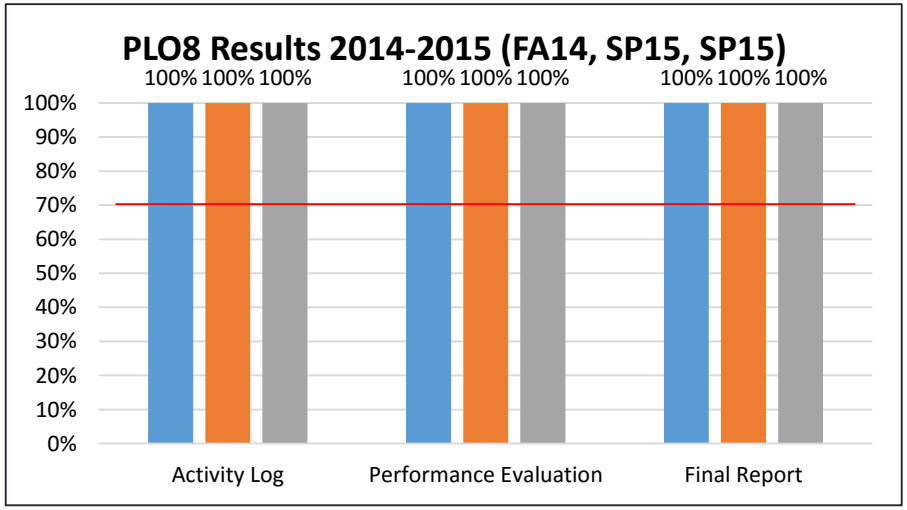
Demonstrate proficiency in communicating ideas and information orally and in writing



Relate the need for, and an ability to learn and apply new concepts as required in the continually evolving and rapidly changing practice of computer engineering technology



Comprehend ethical responsibility and professional integrity issues as related to computer technology



Comprehend contemporary technological and societal issues and the impact of computer technology on society in both a local and global context

Program Learning Outcomes

AS Computer Programming and Analysis (Software Engineering Technology), code 2047

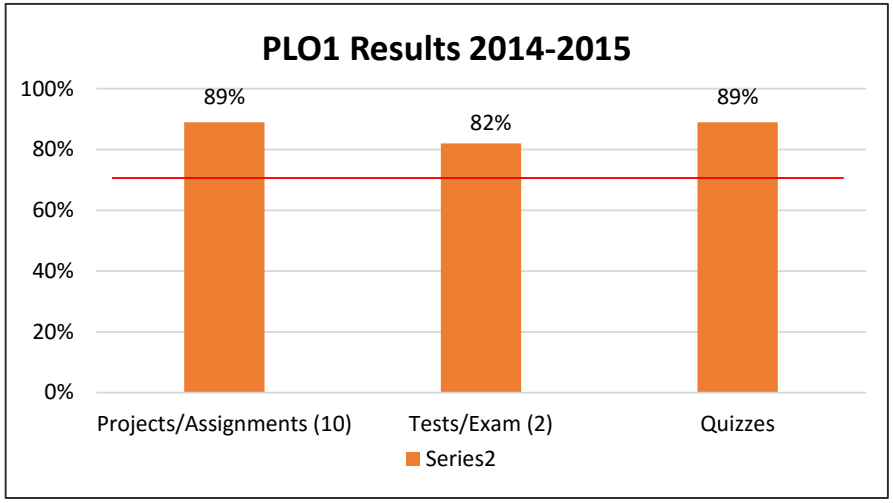
Certificate Computer Programming, code 0938

Certificate Computer Specialist, code 0901

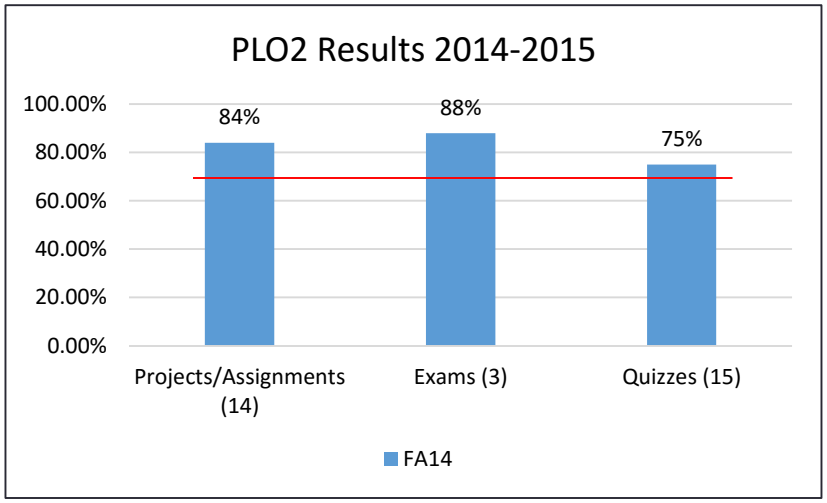
Graduates of the program will be able to:

1. Use current techniques, skills, tools, and emerging technologies necessary for computing practices.
2. Apply critical thinking and problem solving skills in designing algorithms and programming code in various programming languages.
3. Demonstrate knowledge and understanding of computer hardware and networked environments.
4. Demonstrate proficiency with Internet structure, organization, and Web site development.
5. Design, implement and manage database applications.
6. Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users.
7. Ability to function as a member of a team in the solution of problems.
8. Contribute to chosen field by gaining employment in a related field or by continuing professional development.
9. Evaluate and practice ethical and professional behaviors in the area of computer programming and analysis.

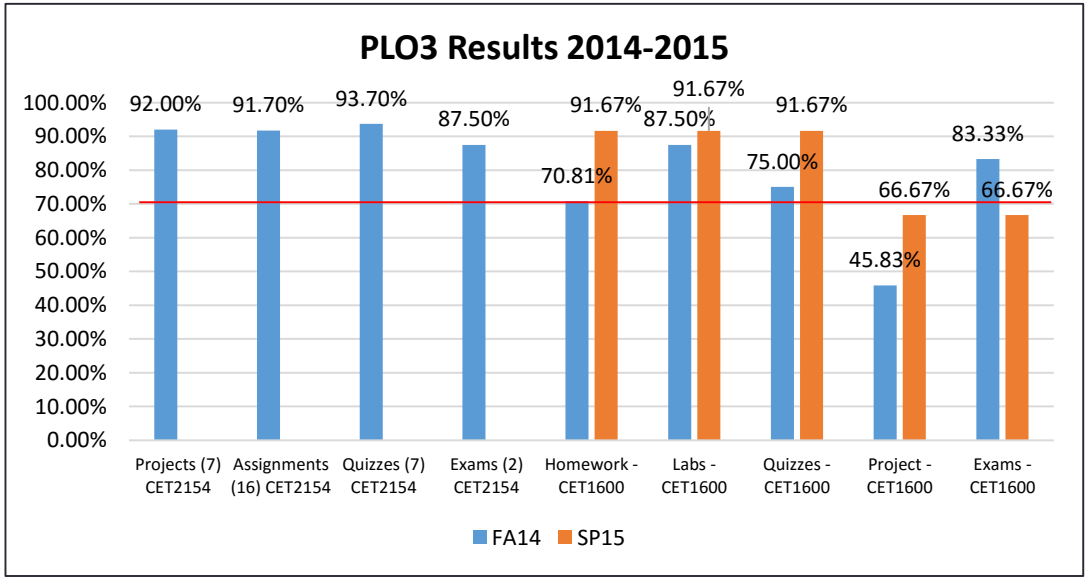
Assessment Results 2014-2015



Use current techniques, skills, tools, and emerging technologies necessary for computing practices

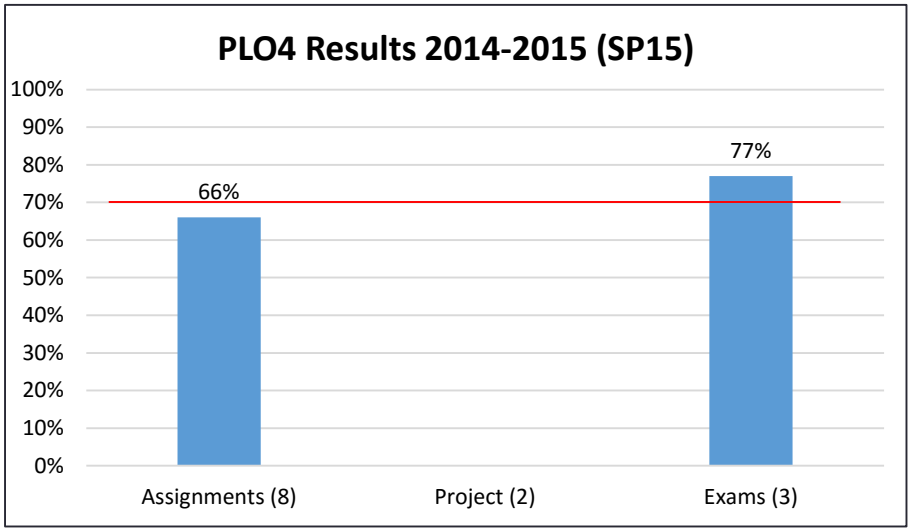


Apply critical thinking and problem solving skills in designing algorithms and programming code in various programming languages



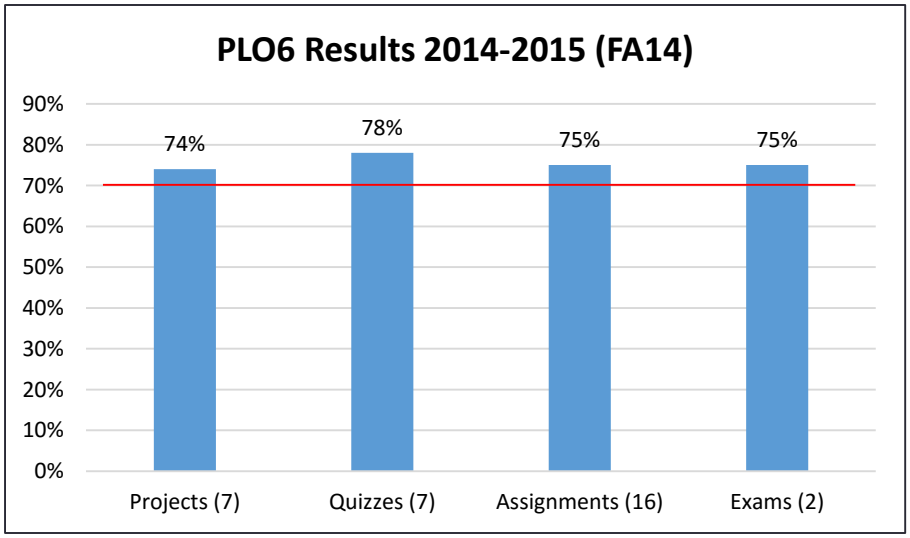
Demonstrate knowledge and understanding of computer hardware and networked environments

Assessment Results 2014-2015



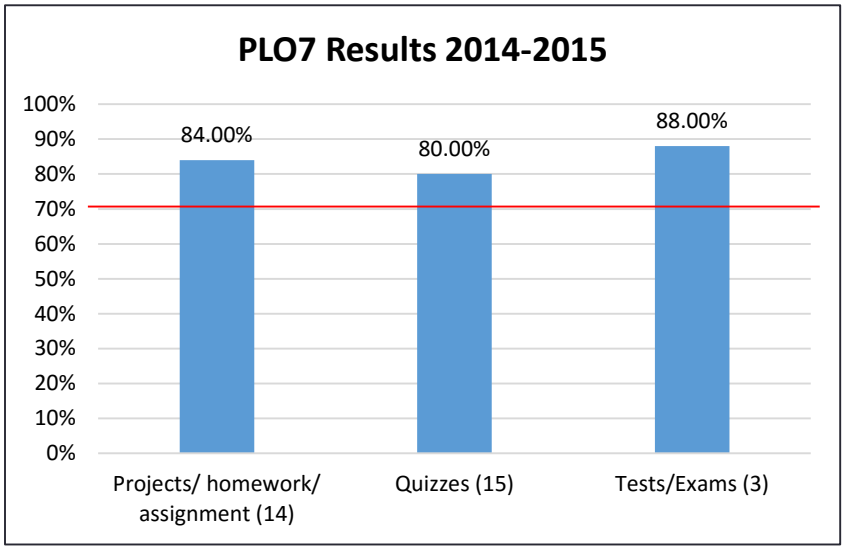
Demonstrate proficiency with Internet structure, organization, and Web site development

Design, implement and manage database applications

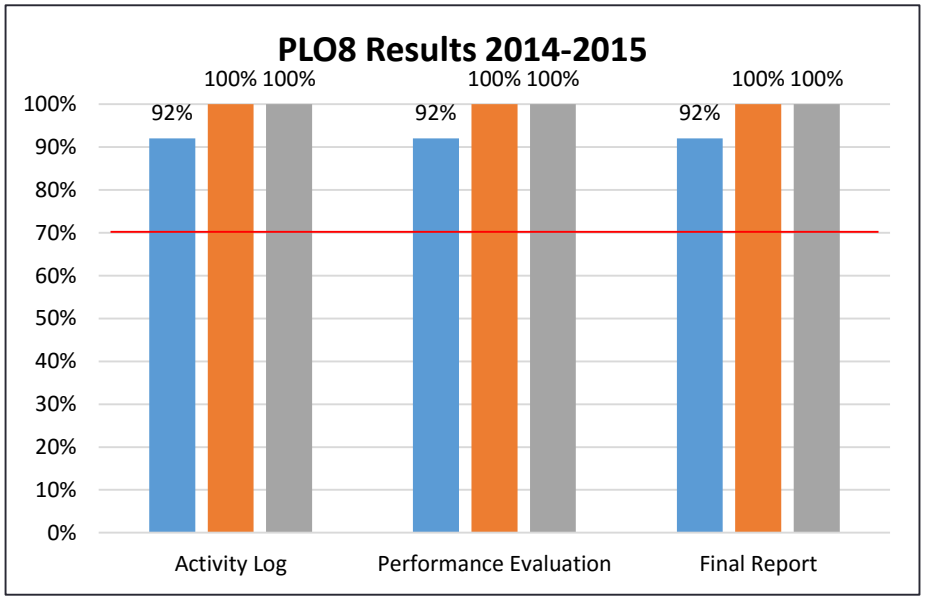


Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users

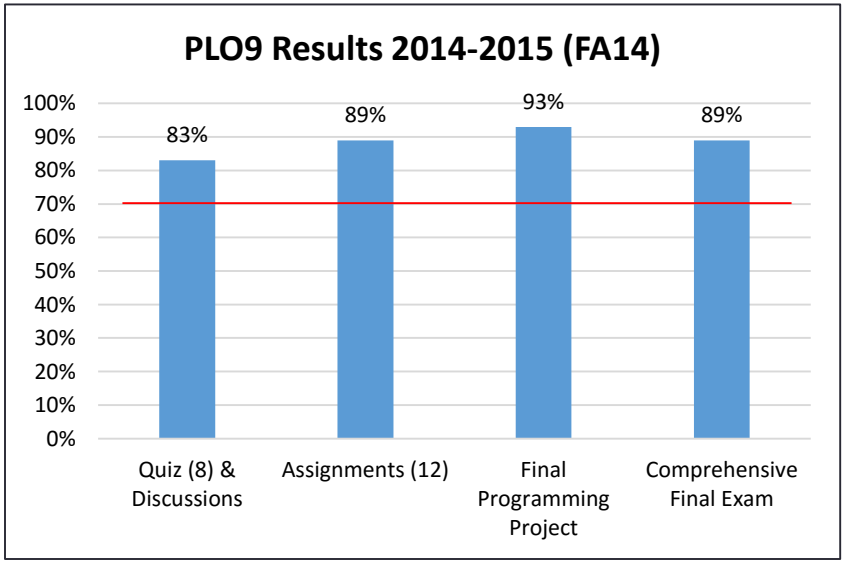
Assessment Results 2014-2015



Ability to function as a member of a team in the solution of problems



Contribute to chosen field by gaining employment in a related field or by continuing professional development



Evaluate and practice ethical and professional behaviors in the area of computer programming and analysis

Program Learning Outcomes

AS Computer Information Technology, code 2067

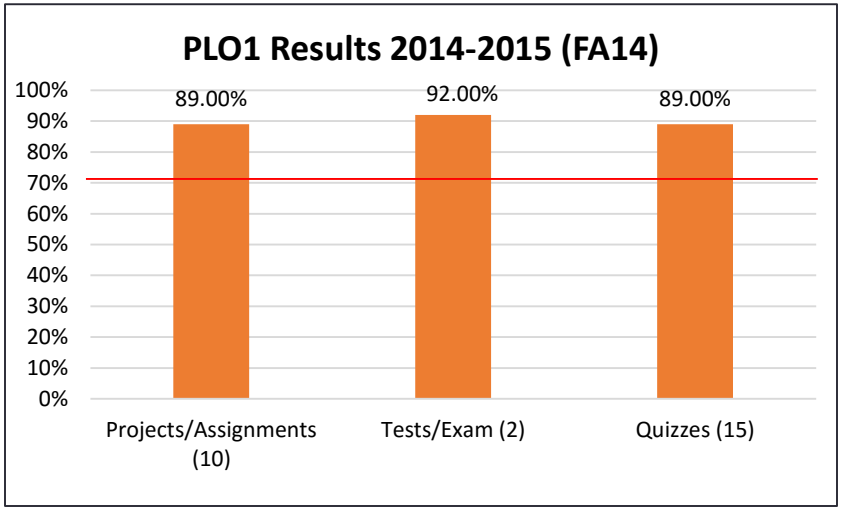
Certificate Information Technology Analysis, code 0903

Certificate Information Technology Support Specialist, code 0905

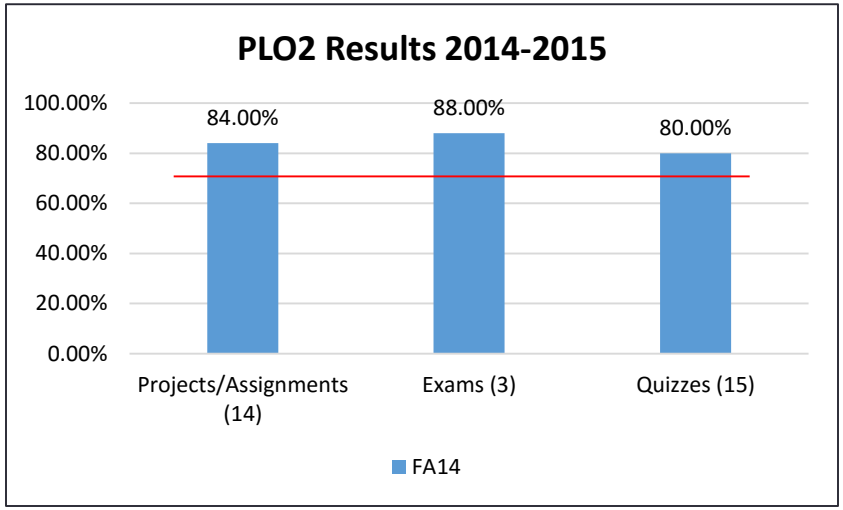
Graduates of the program will be able to:

1. Use current techniques, skills, tools, and emerging technologies necessary for computing practices.
2. Create information systems solutions for transactional, operational, managerial and executive problems.
3. Demonstrate knowledge and understanding of computer hardware and networked environments.
4. Demonstrate proficiency with Internet structure, organization, and Web site development.
5. Design, implement and manage database applications.
6. Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users.
7. Participate and function as a member of a team in the solution of problems.
8. Contribute to chosen field by gaining employment in a related field or by continuing professional development.
9. Evaluate and practice ethical and professional behaviors in the area of computer information technology.

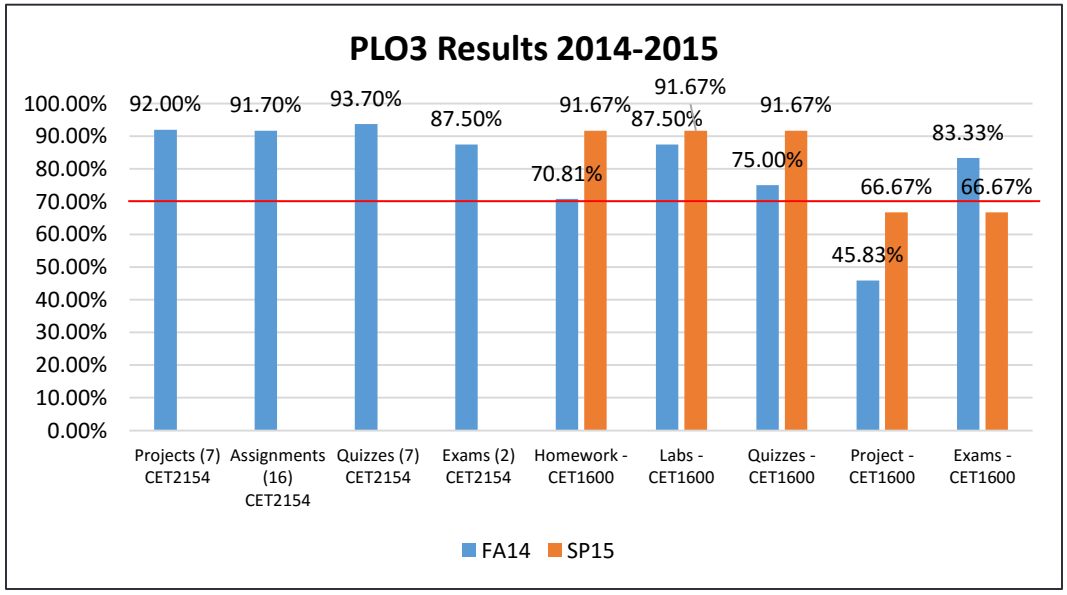
Assessment Results 2014-2015



Use current techniques, skills, tools, and emerging technologies necessary for computing practices

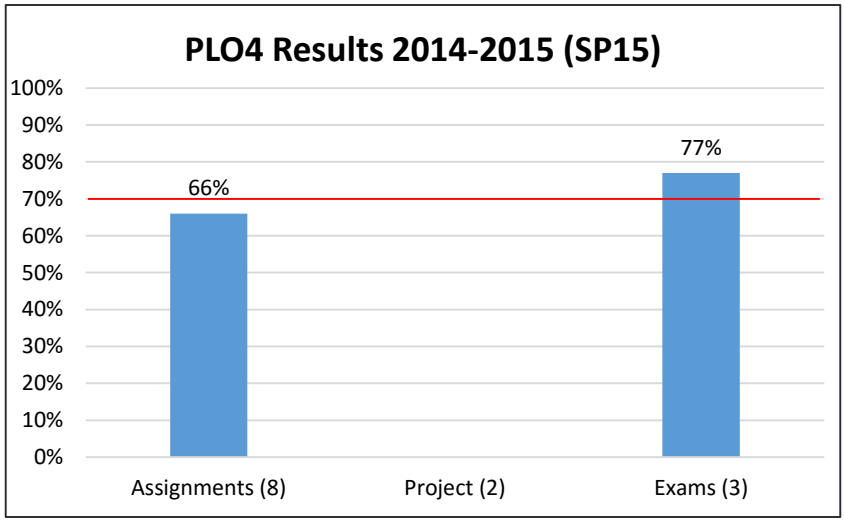


Create information systems solutions for transactional, operational, managerial and executive problems

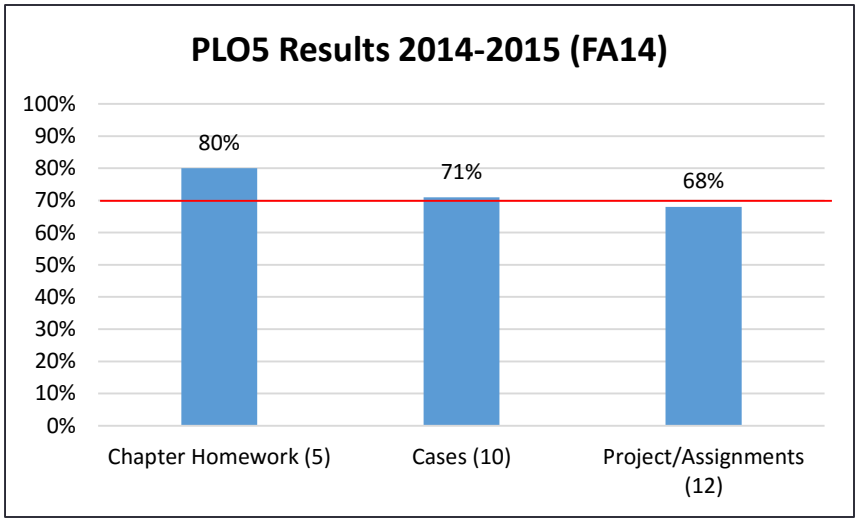


Demonstrate knowledge and understanding of computer hardware and networked environments

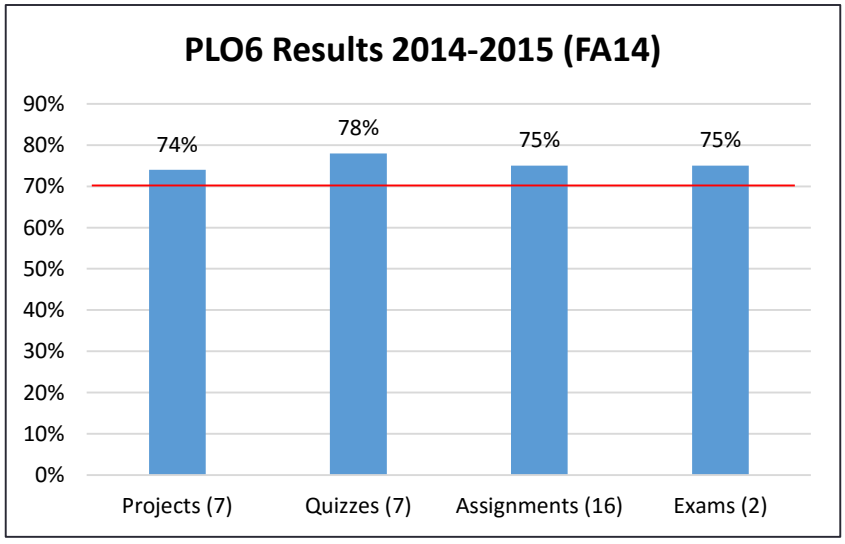
Assessment Results 2014-2015



Demonstrate proficiency with Internet structure, organization, and Web site development

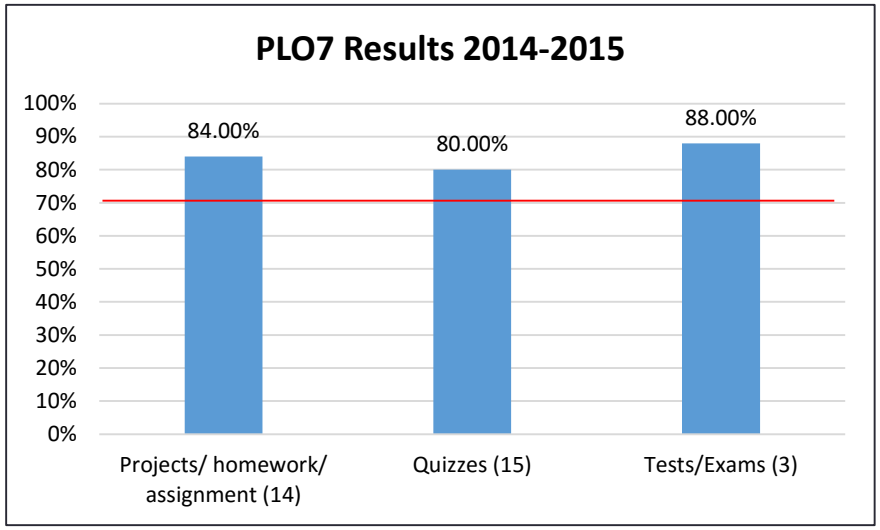


Design, implement and manage database applications

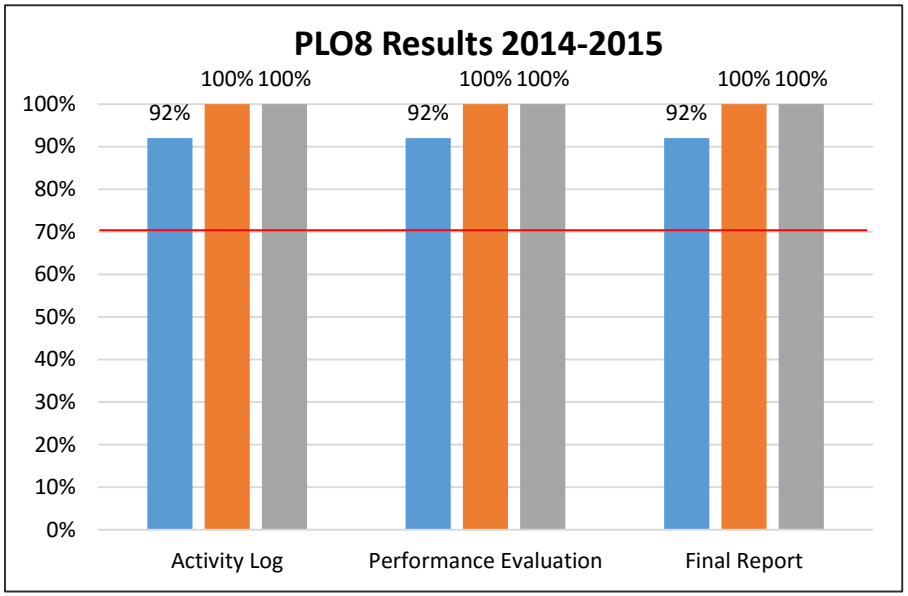


Communicate effectively with customers, supervisors and peers both orally and in writing, including technical training for users

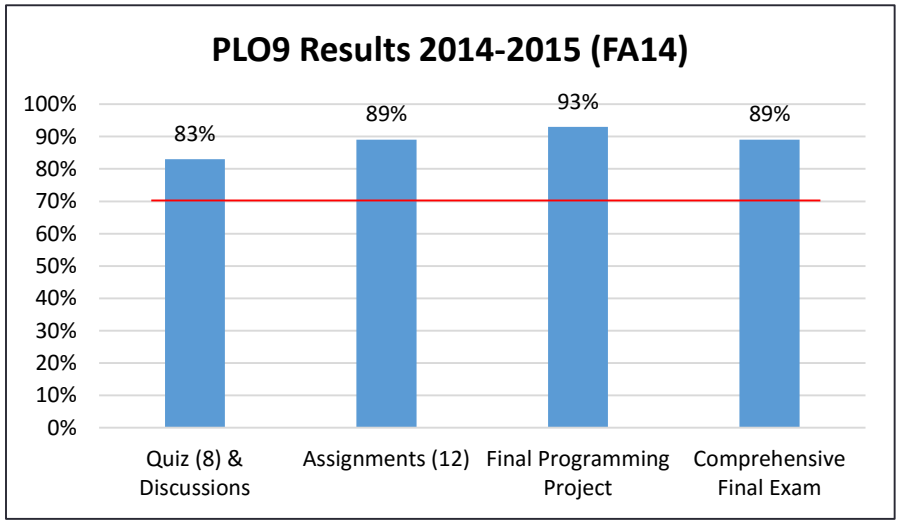
Assessment Results 2014-2015



Participate and function as a member of a team in the solution of problems



Contribute to chosen field by gaining employment in a related field or by continuing professional development



Evaluate and practice ethical and professional behaviors in the area of computer information technology

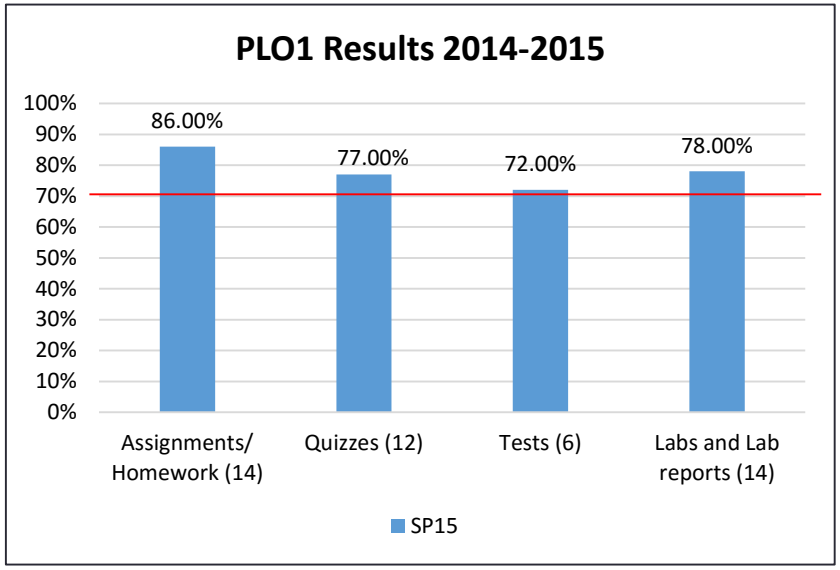
Program Learning Outcomes

AS Simulation and Robotics Technology, code 2204

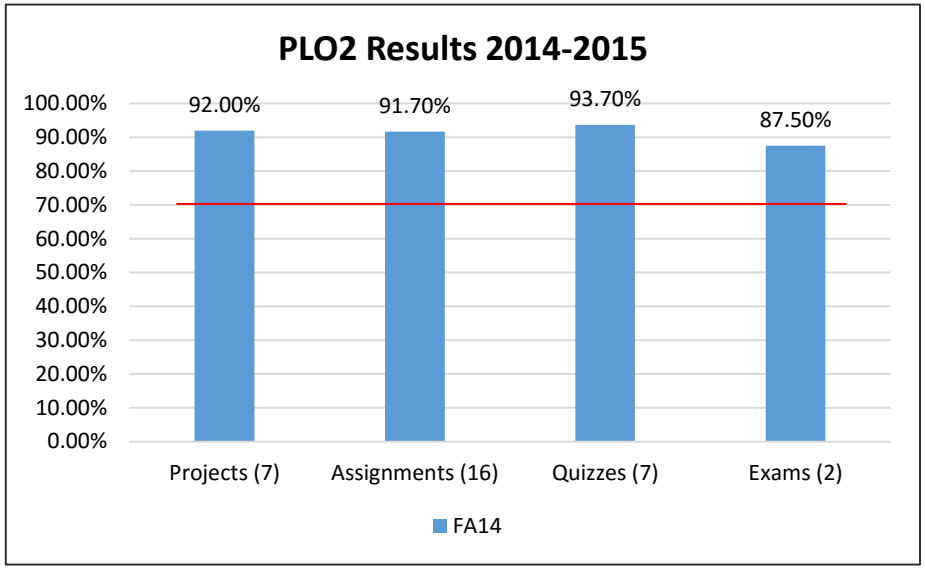
Graduates of the program will be able to:

1. Apply knowledge of mathematics, basic science, and engineering to solve problems encompassing the fundamental areas of simulation and robotics technology.
2. Apply knowledge of one or more disciplines to the operation and maintenance of simulation and robotics systems.
3. Identify and apply software solutions appropriate to simulation and robotics systems.
4. Conduct experiments to acquire needed data, and to analyze and interpret data to solve engineering technology problems.
5. Use computers and other modern tools and skills to solve technical problems.
6. Function as a member of a multidisciplinary team in the solution of engineering problems.
7. Demonstrate proficiency in communicating ideas and information orally and in writing.
8. Relate the need for, and an ability to learn new concepts as required within the field of simulation and robotics technology.
9. Comprehend ethical responsibility and professional integrity issues related to the practice of simulation and robotics technology.
10. Comprehend contemporary technological and societal issues, and the impact of technology on society in both a local and global context.

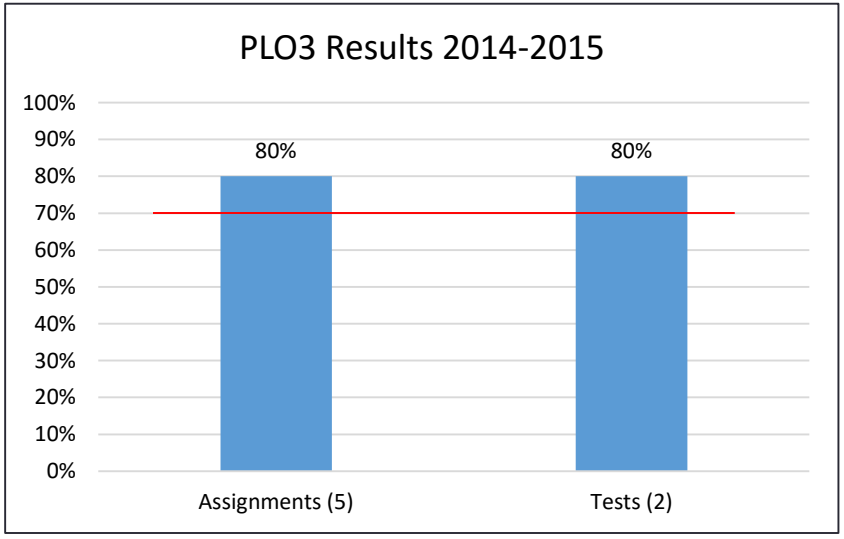
Assessment Results 2014-2015



Apply knowledge of mathematics, basic science, and engineering to solve problems encompassing the fundamental areas of simulation and robotics technology

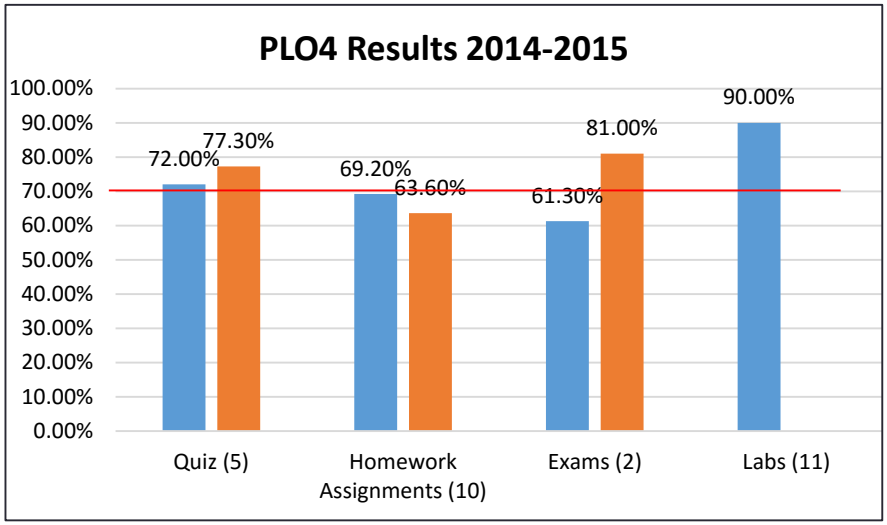


Apply knowledge of one or more disciplines to the operation and maintenance of simulation and robotics systems

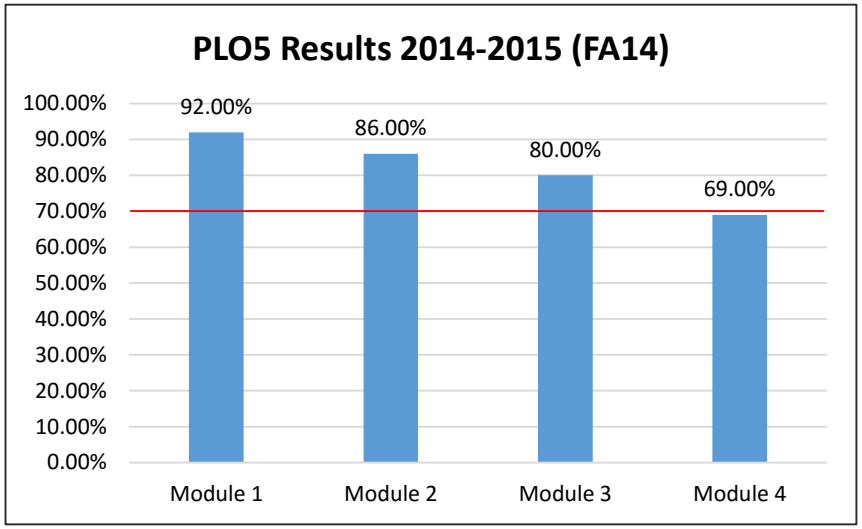


Identify and apply software solutions appropriate to simulation and robotics systems

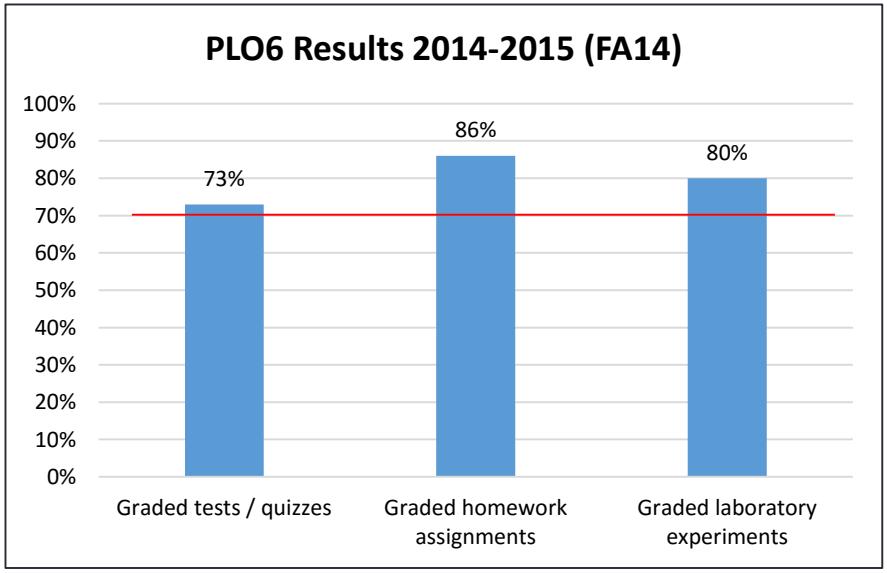
Assessment Results 2014-2015



Conduct experiments to acquire needed data, and to analyze and interpret data to solve engineering technology problems

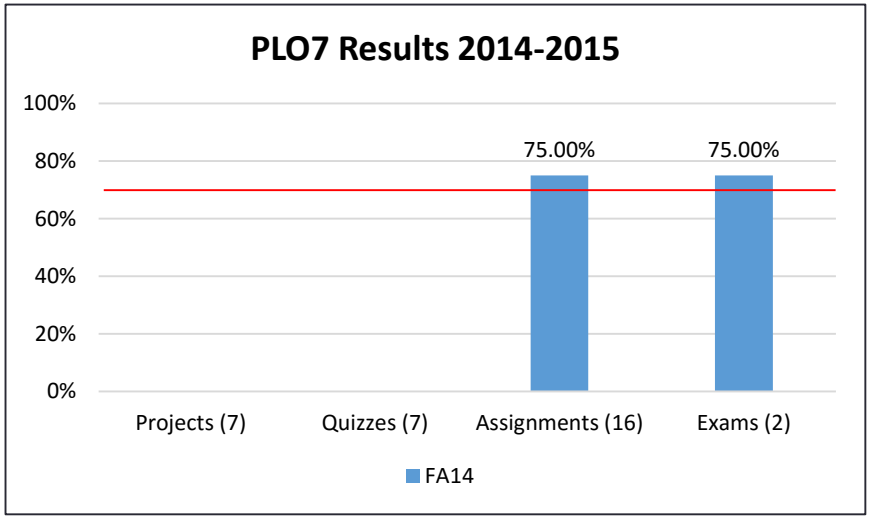


Use computers and other modern tools and skills to solve technical problems

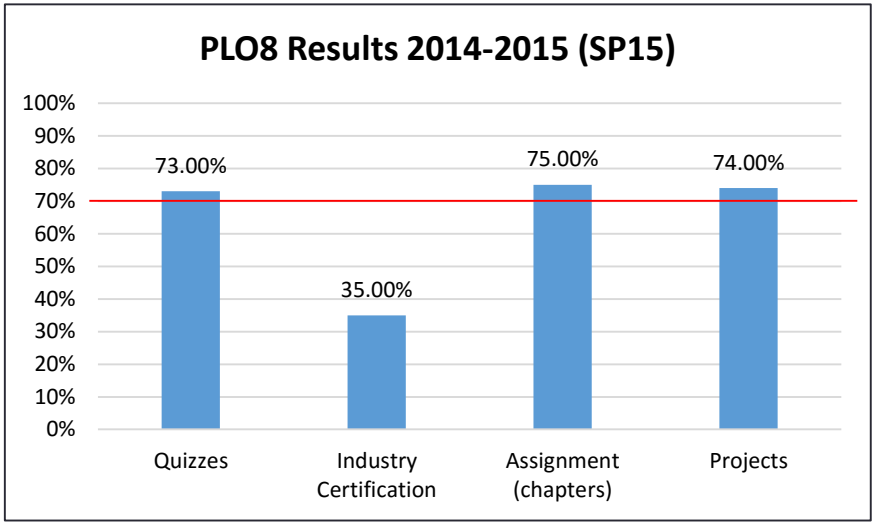


Function as a member of a multidisciplinary team in the solution of engineering problems

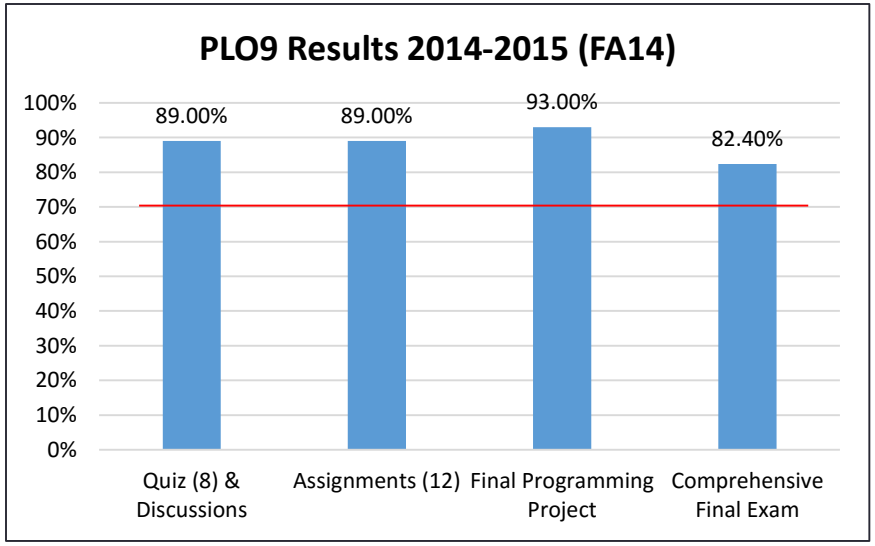
Assessment Results 2014-2015



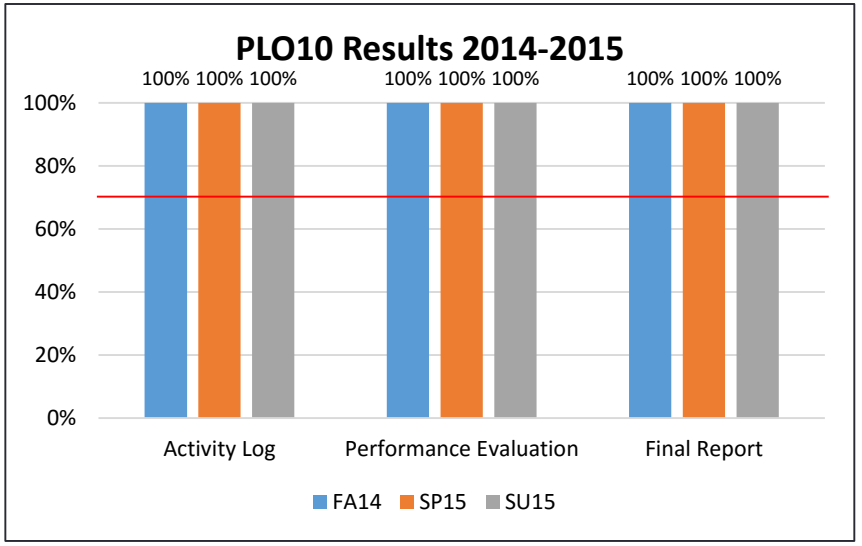
Demonstrate proficiency in communicating ideas and information orally and in writing



Relate the need for, and an ability to learn new concepts as required within the field of simulation and robotics technology



Comprehend ethical responsibility and professional integrity issues related to the practice of simulation and robotics technology



Comprehend contemporary technological and societal issues, and the impact of technology on society in both a local and global context

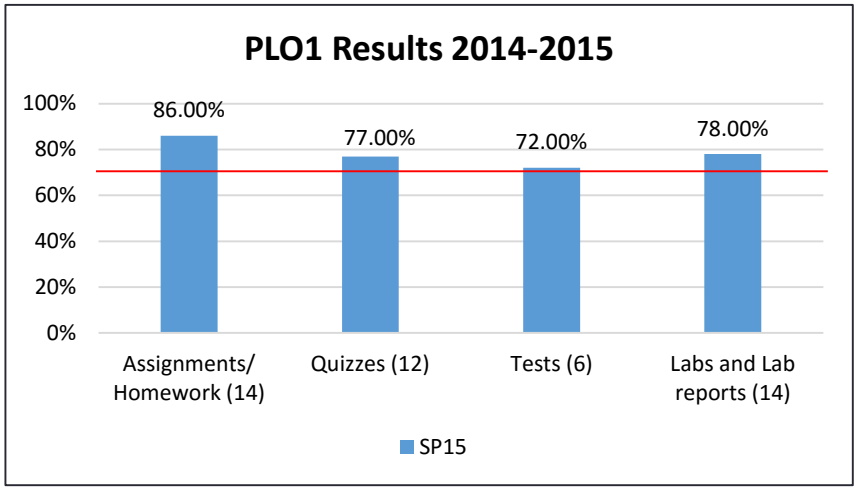
Program Learning Outcomes

AS Electronics Engineering Technology, code 2003

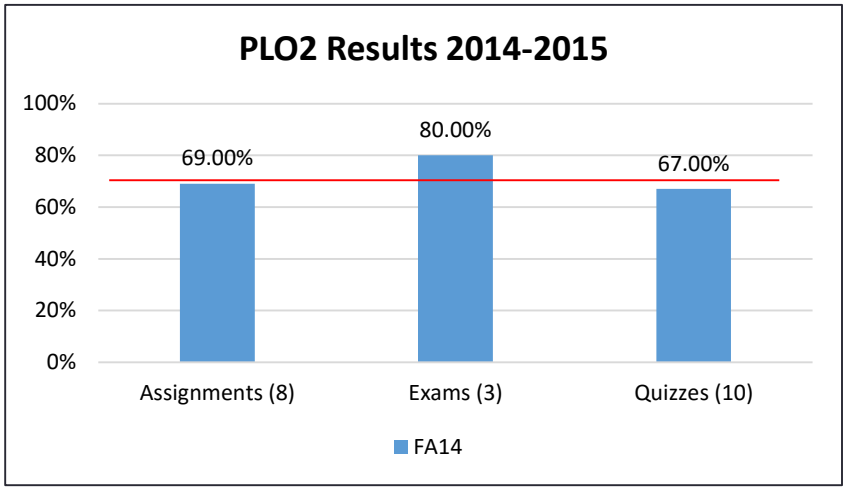
Graduates of the program will be able to:

1. Apply knowledge of mathematics, basic science, and engineering to solve problems encompassing the fundamental areas of electronic engineering technology.
2. Apply knowledge of one or more disciplines within electronic engineering technology to the solution of technical problems.
3. Identify and analyze applications of electrical components or systems to meet desired needs.
4. Create and conduct experiments to acquire needed data, and to analyze and interpret data to solve engineering technology problems.
5. Demonstrate proficiency in the use of computers and other modern tools and skills to solve technical problems.
6. Comply with and function as a member of a diverse multidisciplinary team in the solution of engineering problems.
7. Demonstrate proficiency in communicating ideas and information orally and in writing.
8. Relate the need for, and an ability to learn new concepts as required for the continuing practice of electronic engineering technology.
9. Comprehend ethical responsibility and professional integrity issues related to the practice of electronic engineering technology.
10. Comprehend contemporary technological and societal issues, and the impact of technology on society in both a local and global context.

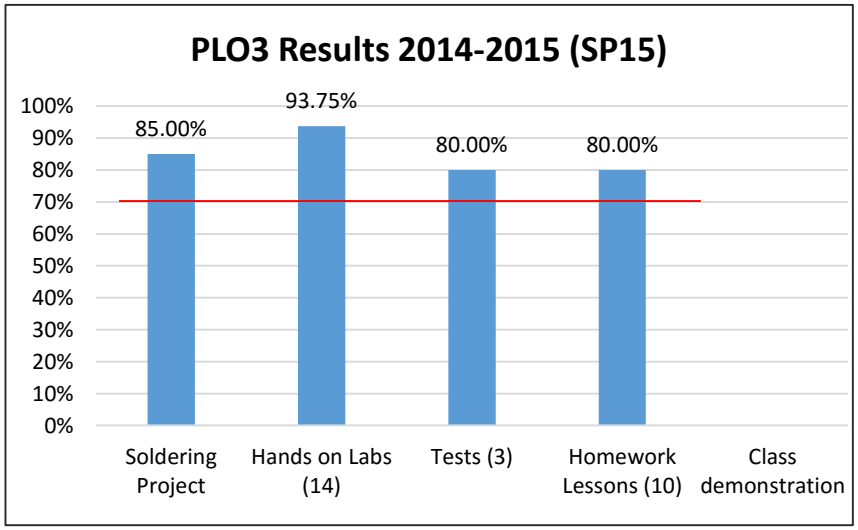
Assessment Results 2014-2015



Apply knowledge of mathematics, basic science, and engineering to solve problems encompassing the fundamental areas of electronic engineering technology

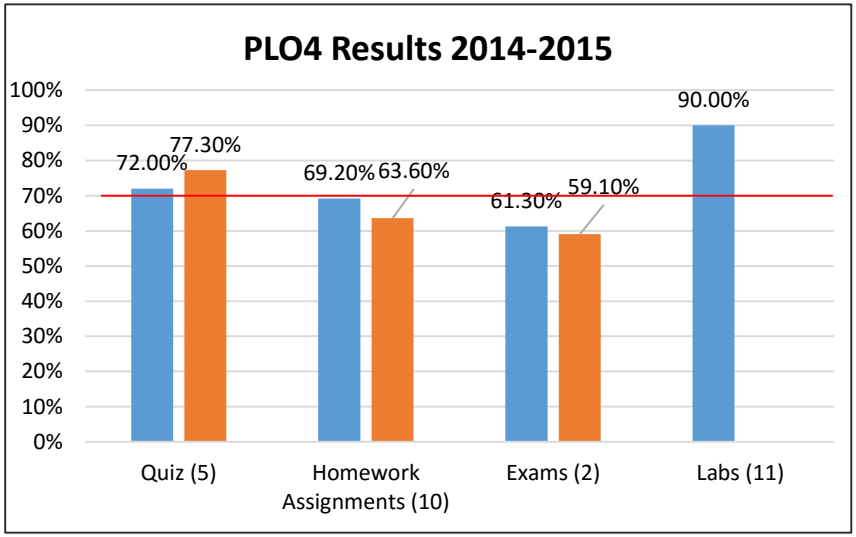


Apply knowledge of one or more disciplines within electronic engineering technology to the solution of technical problems

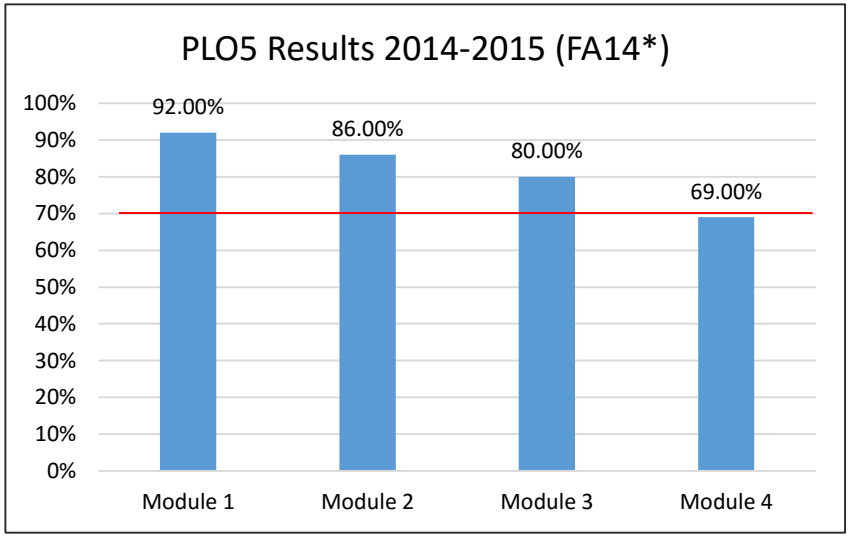


Identify and analyze applications of electrical components or systems to meet desired needs.

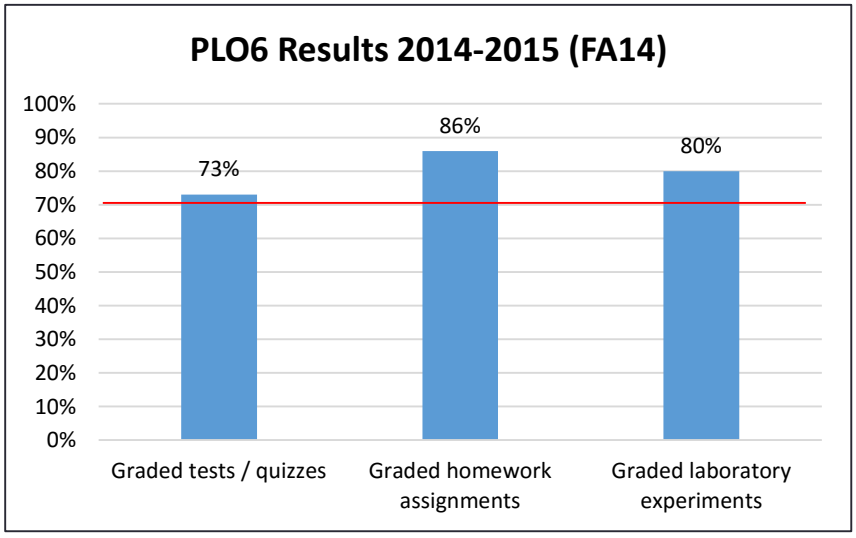
Assessment Results 2014-2015



Create and conduct experiments to acquire needed data, and to analyze and interpret data to solve engineering technology problems

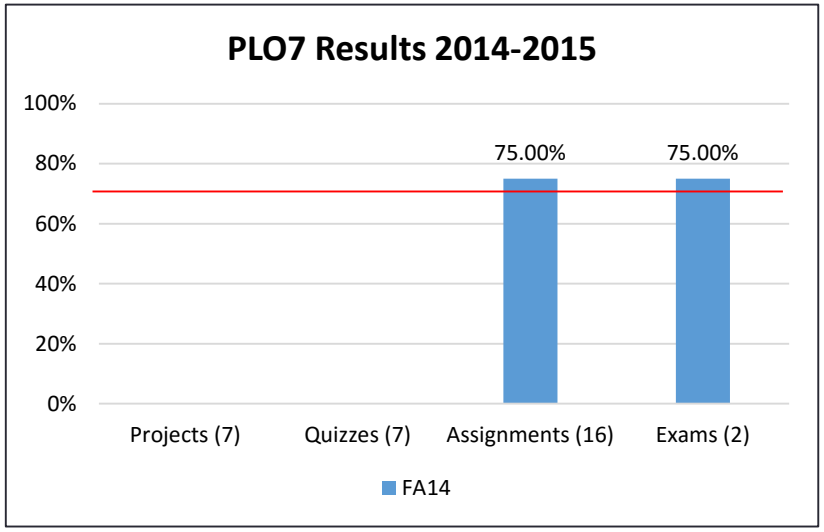


Demonstrate proficiency in the use of computers and other modern tools and skills to solve technical problems

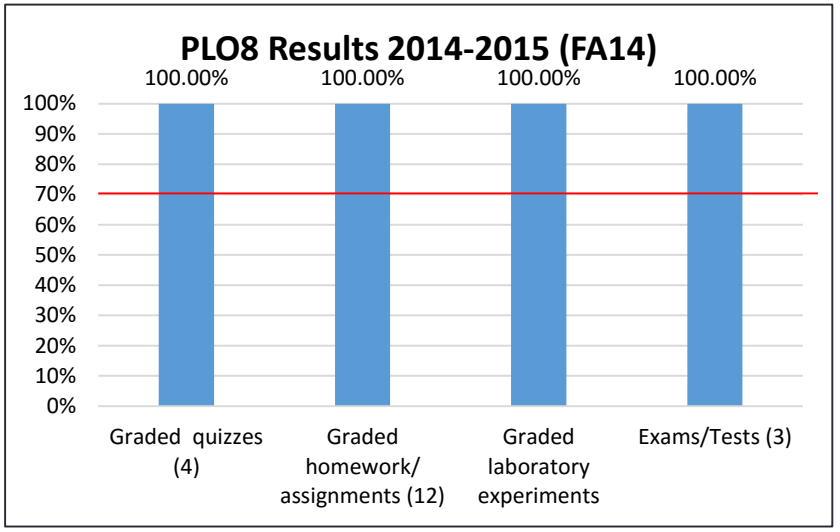


Comply with and function as a member of a diverse multidisciplinary team in the solution of engineering problems

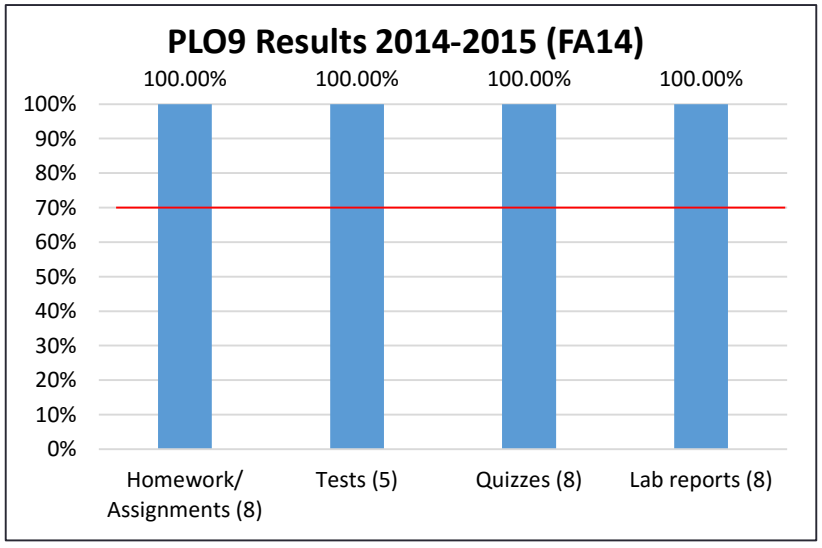
Assessment Results 2014-2015



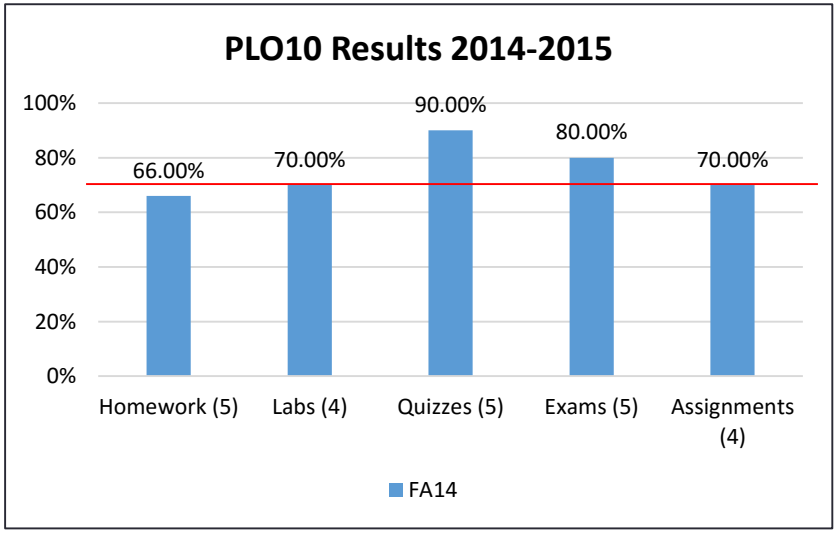
Demonstrate proficiency in communicating ideas and information orally and in writing



Relate the need for, and an ability to learn new concepts as required for the continuing practice of electronic engineering technology



Comprehend ethical responsibility and professional integrity issues related to the practice of electronic engineering technology



Comprehend contemporary technological and societal issues, and the impact of technology on society in both a local and global context

Assessment Data 2013-2014 and 2014-2015: Programs and Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	13/14	14/15	13/14	14/15	13/14	14/15	13/14	14/15
0908 - Advanced Network Infrastructure	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
0921 - Cable Installation	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
2013 - Computer Engineering Technology	50.00%	72%-86%	73.30%	73%-86%	58.60%	75.00%	58.50%	100.00%
2067 - Computer Information Technology	78.6%	80%-88%	61.50%	66.67%-93.7%	58.60%	74%-78%	33.33%	58%-81%
0938 - Computer Programming	78.6%	80%-88%	61.50%	66.67%-93.7%	58.60%	74%-78%	33.33%	58%-81%
2047 - Computer Programming and Analysis (Software Engineering Technology)	78.6%	80%-88%	61.50%	66.67%-93.7%	58.60%	74%-78%	33.33%	58%-81%
2003 - Electronics Engineering Technology	50%	72%-95%	73.3%	73%-86%	58.6%	75.00%	58.6%	100.00%
0902 - Information Technology Administration	78.60%	80%-88%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	58%-80%
0903 - Information Technology Analysis	78.6%	80%-88%	61.50%	66.67%-93.7%	58.60%	74%-78%	33.33%	58%-81%
0905 - Information Technology Support Specialist	78.6%	80%-88%	61.50%	66.67%-93.7%	58.60%	74%-78%	33.33%	58%-81%
2005 - Internet Services Technology	78.60%	80%-88%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	58%-80%

Assessment Data 2013-2014 and 2014-2015: Programs and Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	13/14	14/15	13/14	14/15	13/14	14/15	13/14	14/15
0907 - Microcomputer Repairer/Installer	50.00%	72%-86%	73.30%	73%-86%	58.60%	75.00%	58.50%	100.00%
0923 - Network Communications (LAN)	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
0924 - Network Communications (WAN)	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
0922 - Network Infrastructure	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
0904 - Network Server Administration	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
0906 - Network Support Technician	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
2002 - Network Systems Technology	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%
2204 - Simulation and Robotics Technology	62.5%	72%-77%	73.3%	73%-86%	58.60%	75.00%	58.60%	100.00%
0909 - Web Development Specialist	78.60%	80%-88%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	58%-80%
0925 - Wireless Communications	88.30%	96.7%-100%	61.50%	87.5%-93.7%	58.60%	75.00%	33.33%	80%-100%