ASSESSMENT DAY

College of Business, Engineering and Technology

School of Engineering and Information Technology BSET

March 5, 2019

Strengths

Challenges

Recommendations

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

[6331 - Bachelor of Science in Engineering Technology (BSET)](#)

[6333 - Bachelor of Science in Engineering Technology - Electrical Engineering Technology Concentration](#)

Action Items from Last Assessment Day

Assessment Day (03/26/2018)

- Review CET3116 content and course offering

- Develop a Qualtrics alumni survey

- Review the statistics and programming pre-requirements

- Measure the courses that are part of the certificates, and include them in the assessment report

- ABET report (July) prior to ABET's visit (October)

<u>For Institutional Research</u>:

- Clearinghouse data (IR)

- List of students' retention by race/ethnicity FA-FA (IR)

Program Educational Objectives (PEO)

1. <u>Career</u>: Graduates will have a broad understanding of the key principles and practices of engineering technology, the written and oral communications skills, and the ability to work with others to apply these skills and knowledge to the design, implementation, and maintenance of systems.

2. <u>Skills</u>: Graduates will have an understanding of the mathematical and scientific concepts that underlie engineering technology applications, will apply this understanding, and acquire new skills and knowledge necessary to analyze technology problems and develop suitable solutions.

3. <u>Professionalism and Ethics</u>: Graduates will have an understanding of the ethical, human, and social issues of their field and will be involved members of the local and global communities acting as responsible technical professionals.

4. <u>Life-Long Learning</u>: Graduates will be active contributors to their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, and timeliness.
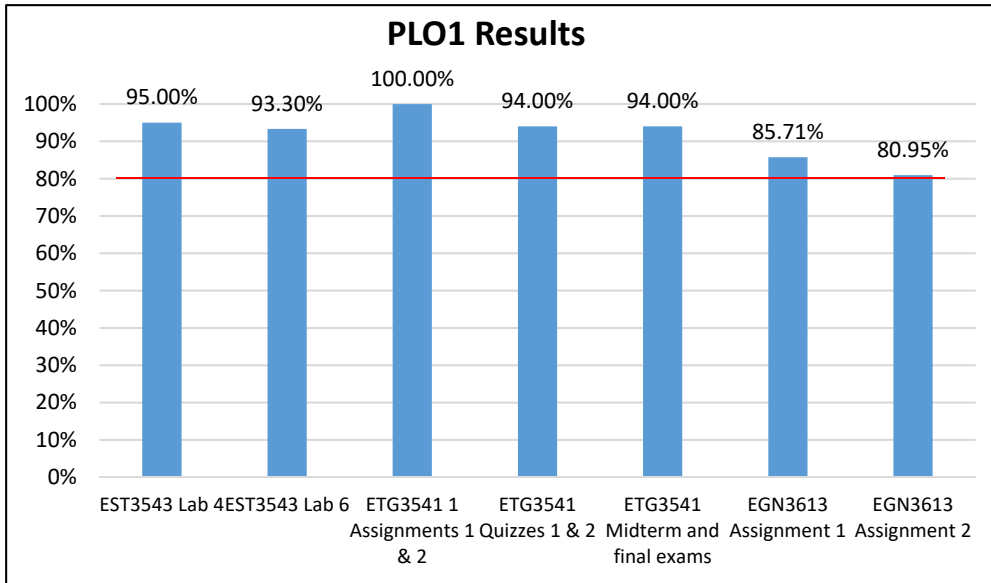
Program Learning Outcomes

BS Engineering Technology (BSET) # 6331
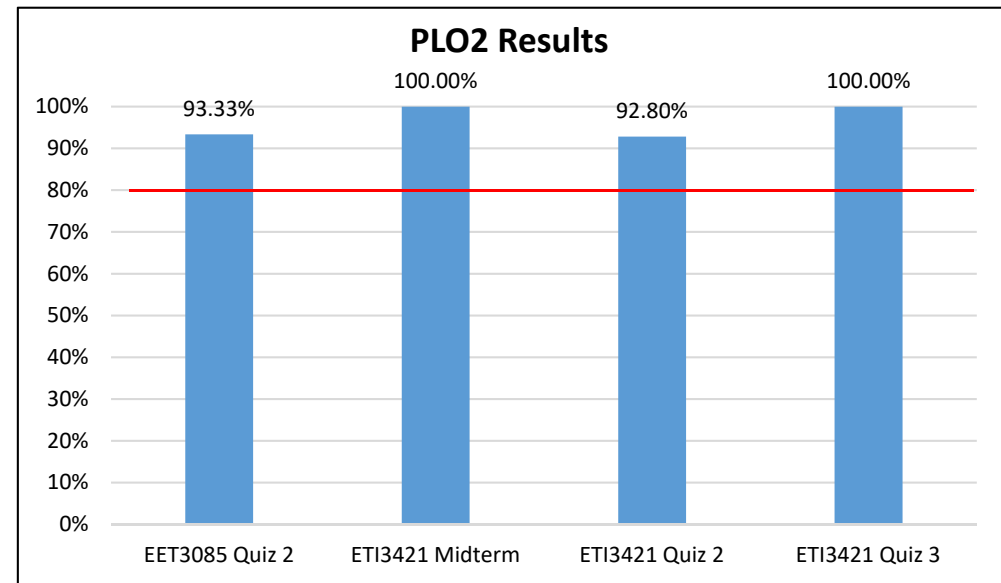BS Engineering Technology with Electrical Engineering Technology Concentration #6333

Graduates of the program will be able to:

1. Demonstrate an ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities.

2. Demonstrate an ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies.

3. Demonstrate an ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes.

4. Demonstrate an ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives.

5. Demonstrate an ability to function effectively as a member or leader on a technical team.

6. Demonstrate an ability to identify, analyze, and solve broadly-defined engineering technology problems.

7. Demonstrate an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.

8. Demonstrate an understanding of the need for and an ability to engage in self-directed continuing professional development.

9. Demonstrate an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.

10. Demonstrate a knowledge of the impact of engineering technology solutions in a societal and global context.

11. Display a commitment to quality, timeliness, and continuous improvement.
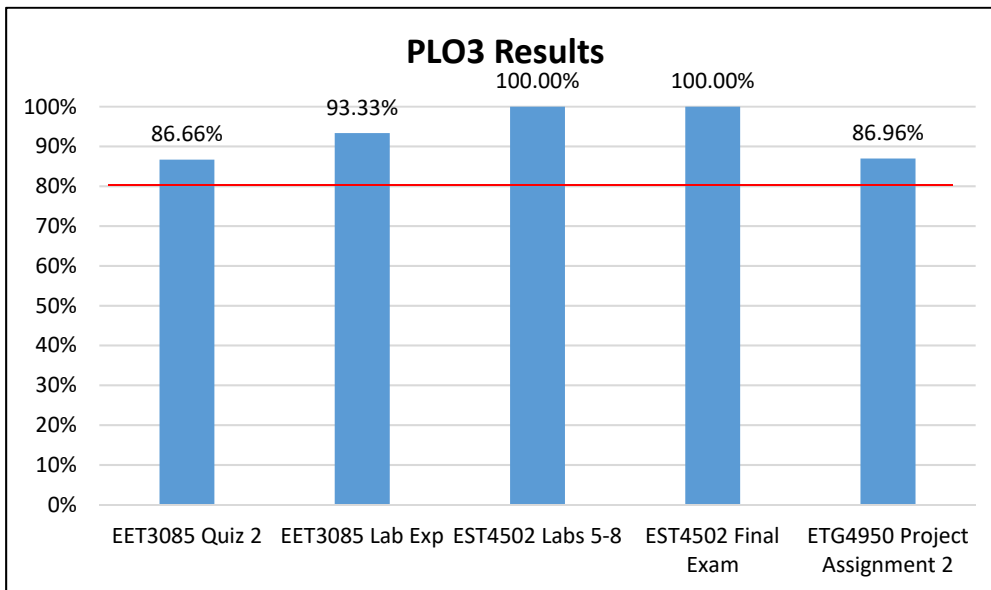
Assessment Results

PLO1 Results

Values: EST3543 Lab 4: 95.00%, EST3543 Lab 6: 93.30%, ETG3541 1 Assignments 1 & 2: 100.00%, ETG3541 Quizzes 1 & 2: 94.00%, ETG3541 Midterm and final exams: 94.00%, EGN3613 Assignment 1: 85.71%, EGN3613 Assignment 2: 80.95%
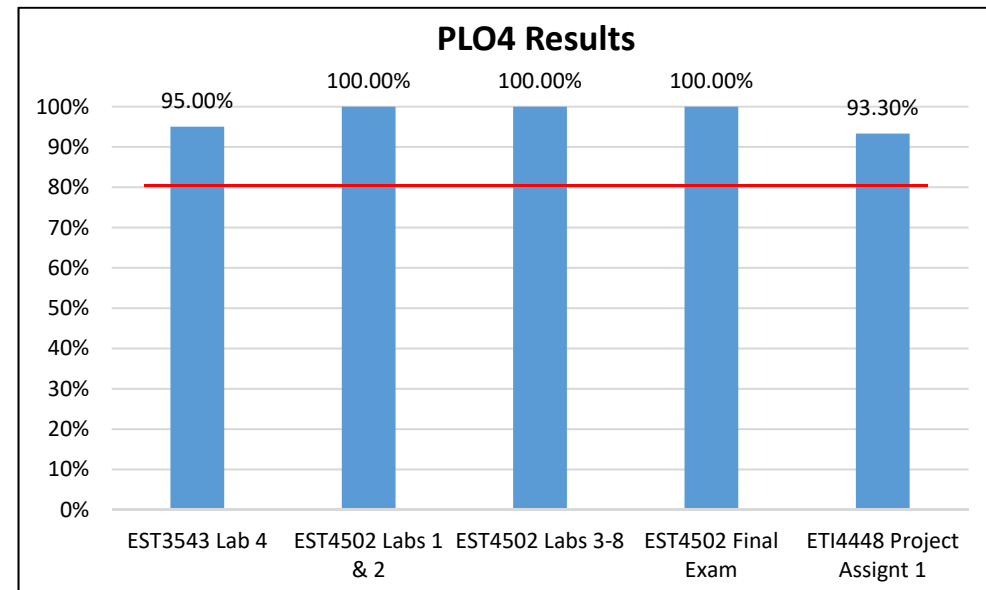
PLO1: Demonstrate an ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities. *Target: 80% of the students achieving 75% or higher in all assessment measures*

PLO2 Results

Values: EET3085 Quiz 2: 93.33%, ETI3421 Midterm: 100.00%, ETI3421 Quiz 2: 92.80%, ETI3421 Quiz 3: 100.00%

PLO2: Demonstrate an ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies. *Target: 80% of the students achieved 70%75% or higher in all assessment measures*

PLO3 Results

Values: EET3085 Quiz 2: 86.66%, EET3085 Lab Exp: 93.33%, EST4502 Labs 5-8: 100.00%, EST4502 Final Exam: 100.00%, ETG4950 Project Assignment 2: 86.96%

PLO3: Demonstrate an ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes. *Target: 80% of the students achieved 70% or higher in all assessment measures*

PLO4 Results

Values: EST3543 Lab 4: 95.00%, EST4502 Labs 1 & 2: 100.00%, EST4502 Labs 3-8: 100.00%, EST4502 Final Exam: 100.00%, ETI4448 Project Assignt 1: 93.30%

PLO4: Demonstrate an ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to PEO. Target: 80% of the students achieved 70% or higher in all assessment measures

Assessment Results

PLO5 Results

ETG4950 Project Assignt 2: 86.60%
ETG4950 Project Assignt 3: 91.30%
ETI3116 Project Report 1: 95.50%
ETI4448 Project & Team discussion areas: 100.00%
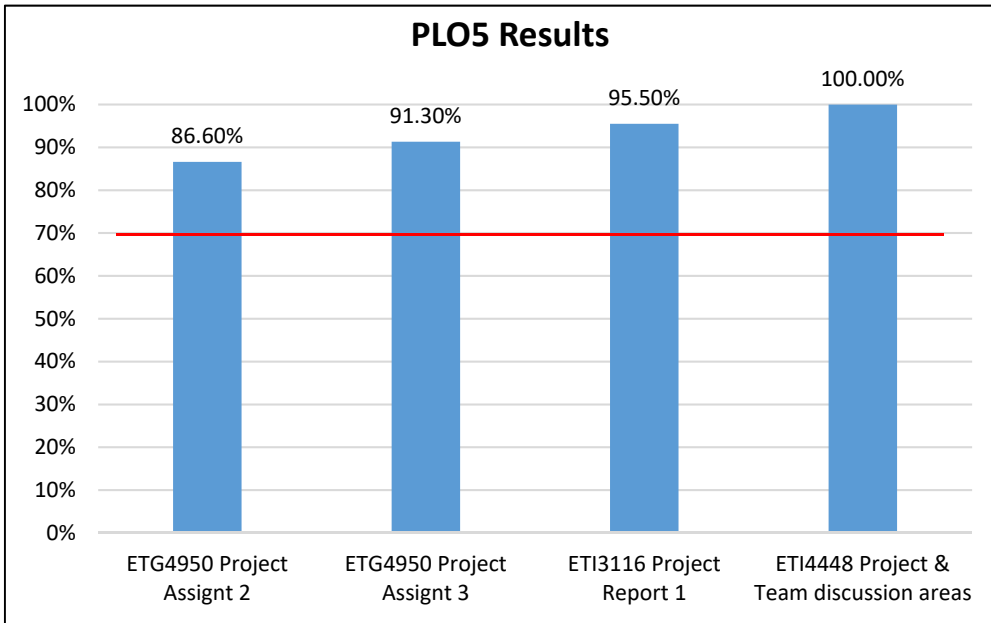
PLO5: Demonstrate an ability to function effectively as a member or leader on a technical team. *Target: 70% of the students achieved 75% or higher in all assessment measures*

PLO6 Results

ETG3541 Assignts 1-2, Quizzes 1-2, Mid/Final Exams: 100.00%
ETG3541 Assignt 2, Quiz 2, Mid-term: 95.00%
ETG3541 Assignt 3, Quiz 3, Mid-term: 90.00%
ETG3541 Assignt 5, Quiz 5, Final Exam: 90.00%
ETI3116 Assignt 2: 58.10%
ENG3613 Assignt 2: 80.95%

PLO6: Demonstrate an ability to identify, analyze, and solve broadly-defined engineering technology problems. *Target: 70% of the students achieved 70% or higher in all assessment measures*

PLO7 Results

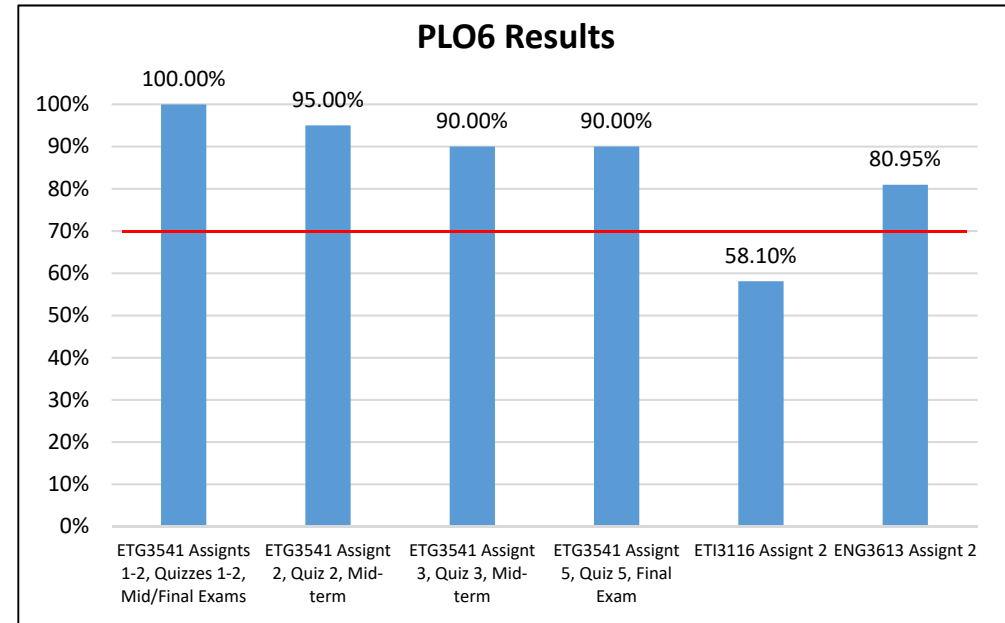ETG4950 Project Assign 1: 100%
ETG4950 Project Assign 2: 87%
ETI3116 Project Report 2: 90%
ETI4448 Project Assign 3: 80%
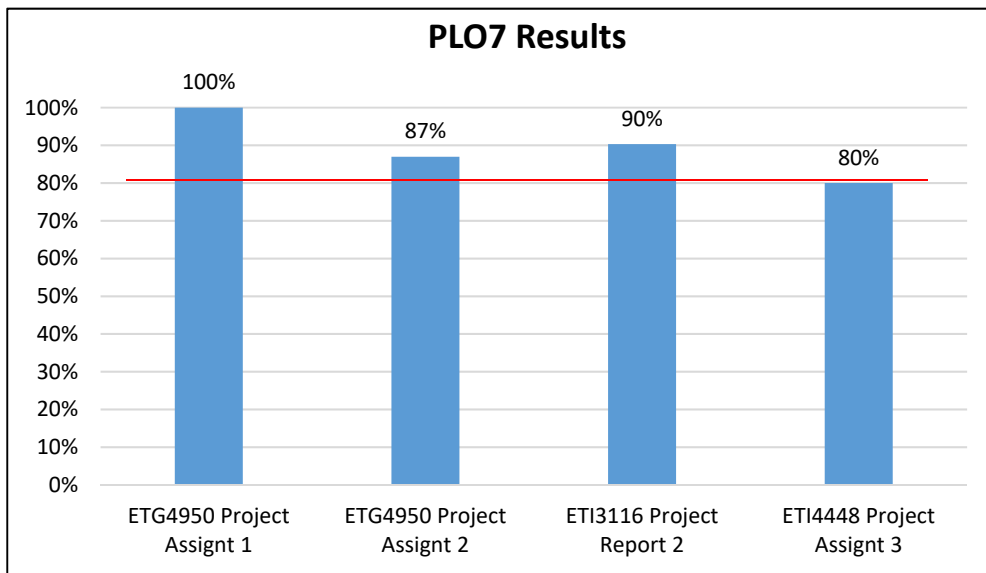
PLO7: Demonstrate an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature. *Target: 80% of the students achieved 75% or higher in all assessment measures*

PLO8 Results

ETG4950 Project Assignt 1: 100%
ETI3116 Project Report 2: 100%
ETI4448 Project Assignt 1: 93.33%
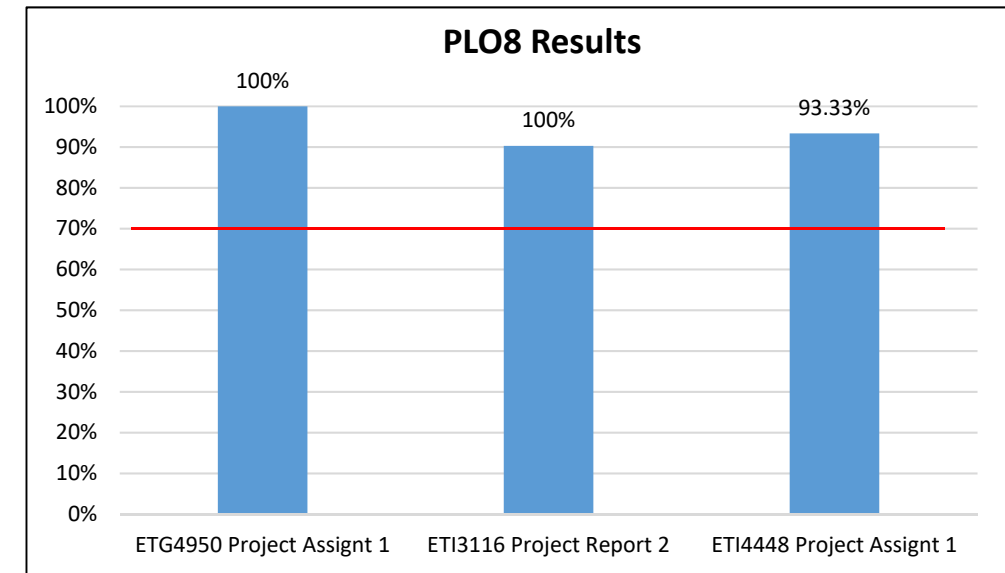
PLO8: Demonstrate an understanding of the need for and an ability to engage in self-directed continuing professional development. *Target:70% of the students achieved 75% or higher in all assessment measures*

Assessment Results

PLO9 Results
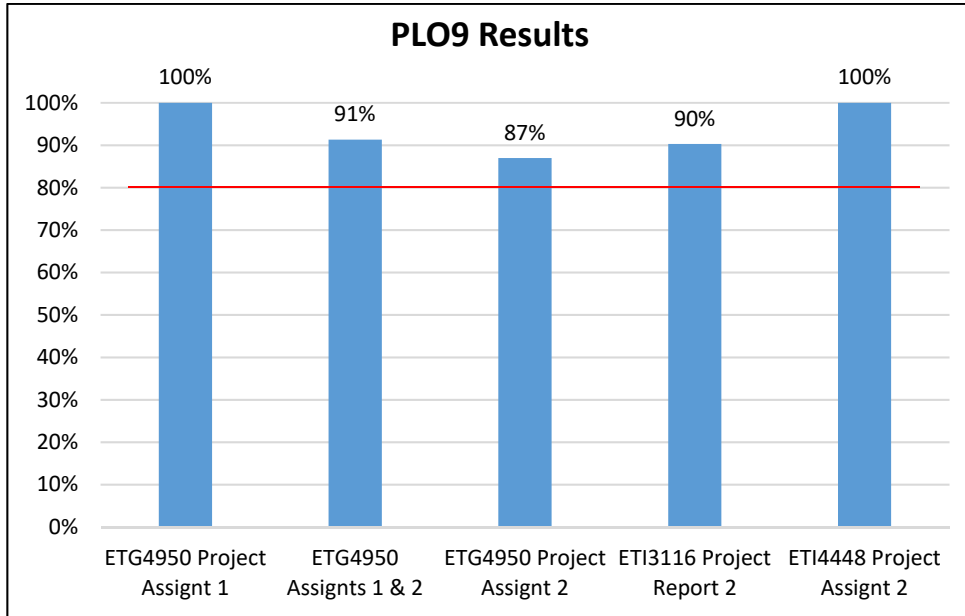
PLO9: Demonstrate an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity *Target: 80% of the students achieved 75% or higher in all assessment measures*

PLO10 Results
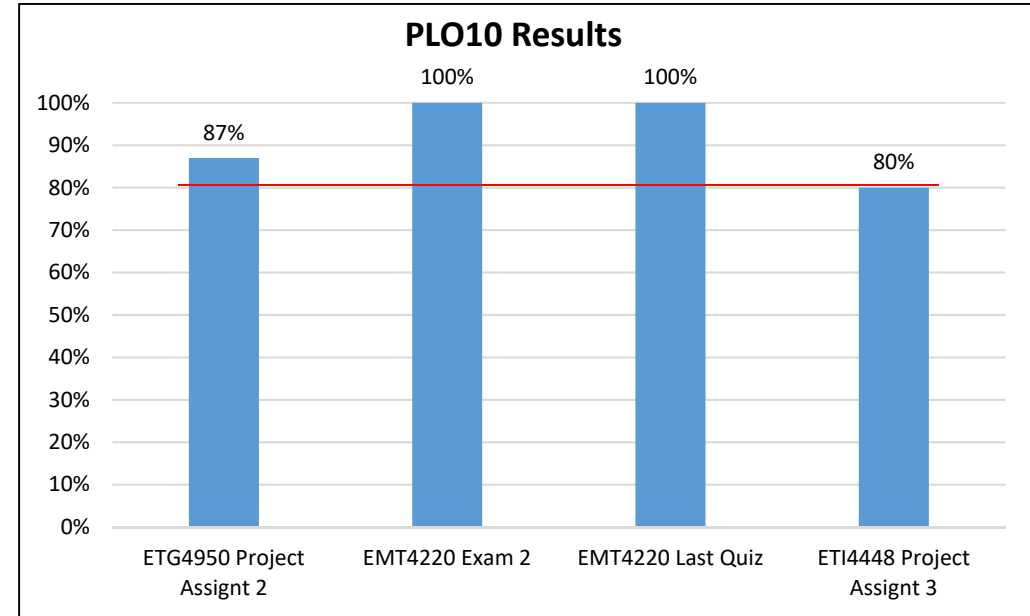
PLO10: Demonstrate a knowledge of the impact of engineering technology solutions in a societal and global context. *Target: 80% of the students achieved 75% or higher in all assessment measures*

PLO11 Results
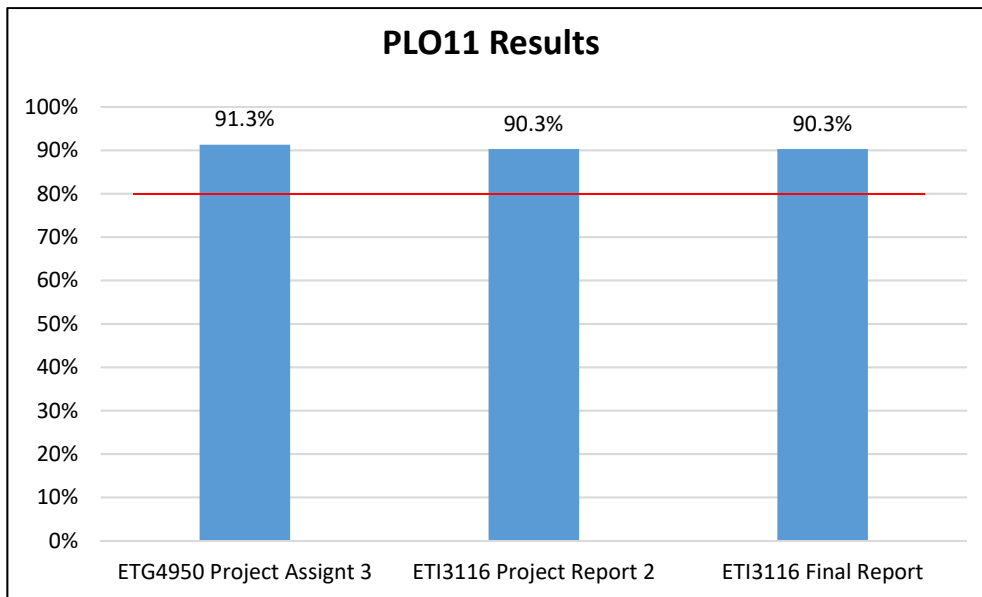
PLO11: Display a commitment to quality, timeliness, and continuous improvement. *Target: 80% of the students achieved 75% or higher in all assessment measures*

Assessment Data 2016-2017 and 2017-2018: Programs and Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	16/17	17/18	16/17	17/18	16/17	17/18	16/17	17/18
Bachelor of Science in Engineering Technology (6331)	53.3%-100%	86.96%-100%	75%-100%	86.96%-100%	75%-100%	86.96%-100%	53.3%-100%	80%-100%
Bachelor of Science in Engineering Technology - Electrical Engineering Technology Concentration (6333)	53.3%-100%	86.96%-100%	75%-100%	86.96%-100%	75%-100%	86.96%-100%	53.3%-100%	80%-100%

Course Success Rates (1 of 2)

Major	Course	2014-2015		2015-2016		2016-2017		2016-2017		
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
6331- BS Engineering Technology	CET3906	11	82%							
	CIS4510	11	91%	8	88%			15	93%	
	EET3085	21	71%	41	71%	30	73%	39	74%	↑
	EET3086	103	74%	63	81%			43	77%	
	EGN2045					28	89%	21	71%	
	EGN3046					62	87%	40	83%	
	EGN3311	15	67%	15	93%	18	100%	23	100%	
	EGN3321							17	100%	
	EGN3343			25	76%					
	EGN3613	32	91%	6	83%	45	89%	39	87%	
	ETC4241	9	89%	12	83%			7	100%	
	ETG3533	15	93%	23	83%	12	100%	19	95%	
	ETG3541	23	83%			18	100%			
	ETG3907	2	100%					21	100%	
	ETG4950C	28	96%	25	92%	24	92%	35	91%	
	ETI3116	36	75%	46	80%	36	92%	31	97%	↑
	ETI3421	12	83%	22	91%	14	100%	30	93%	
	ETI4186	16	100%					25	84%	
	ETI4205			22	100%	12	83%			
	ETI4448	33	85%	35	77%	26	88%	39	90%	↑
	ETI4640	15	87%	23	91%			13	100%	
	ETI4704	22	100%	21	90%	18	100%			
	ETM4220	15	93%	21	100%	18	100%	19	100%	
	ETM4331	18	83%	15	87%	8	100%	14	100%	
	ETS4502	19	100%	19	95%	21	95%			
	MAP3401	27	74%							
	Major	483	83%	526	84%	390	91%	490	89%	

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates (2 of 2)

Major	Course	2014-2015		2015-2016		2016-2017		2017-2018	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
6333- BS Engineering Technology - EE	CET3198	11	73%	14	64%	12	75%	25	56%
	CET4138	2	100%						
	EET3716	15	93%	9	78%	22	91%	20	80%
	EET4158	12	100%	6	83%	8	100%	15	87%
	EET4732	13	100%	5	100%	6	100%	16	94%
	ETP4240	14	93%	9	56%	15	87%	12	100%
	ETS3543C	67	64%	69	77%	44	71%	60	68%
	ETS4502C							16	100%
	Major	134	78%	146	75%	107	81%	164	77%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (1 of 3)

Major, Associated Courses and Sub-session				2014-2015		2015-2016		2016-2017		2017-2018		
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
6331 - BS Engineering Technology	CIS4510	FA	Full term							7	100%	
		SP	Full term							8	88%	
			Course							15	93%	
	EET3085	FA	Full term	10	100%	19	68%	15	67%	23	74%	↑
		SP	Full term	11	45%	22	73%	15	80%	16	75%	
		SU	Full term									
			Course	21	71%	41	71%	30	73%	39	74%	↑
	EET3086	FA	Full term	42	74%	29	76%			15	87%	
		SP	Full term	34	71%	13	85%			19	68%	
		SU	Full term	27	78%	21	86%			9	78%	
			Course	103	74%	63	81%			43	77%	
	EGN2045	FA	Full term					15	80%	11	82%	↑
		SP	Full term					13	100%	10	60%	
			Course					28	89%	21	71%	
	EGN3046	FA	Full term							24	75%	
		SU	Full term							16	94%	
			Course							40	83%	
	EGN3613	FA	Full term			20	75%			23	87%	
		SP	Full term	22	86%			28	89%			
		SU	Full term	10	100%	5	80%	17	88%	16	88%	
			Course	32	91%	25	76%	45	89%	39	87%	

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only (2 of 3)

Major or Dept., Associated Courses and Sub-session			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
6331 - BS Engineering Technology	ETG4950C	FA Full term	12	100%	11	91%	12	83%	12	83%
		SP Full term	16	94%	14	93%	12	100%	23	96%
		Course	28	96%	25	92%	24	92%	35	91%
	ETI3116	FA Full term	19	68%	27	81%	19	95%		
		SP Full term	17	82%	19	79%	17	88%	31	97%
		Course	36	75%	46	80%	36	92%	31	97%
	ETI3421	FA Full term	12	83%	14	86%			19	95%
		SP Full term			8	100%				
		SU Full term							11	91%
		Course	12	83%	22	91%			30	93%
	ETI4448	FA Full term	22	77%	19	79%	12	75%	26	88%
		SP Full term	11	100%	16	75%	14	100%	13	92%
		Course	33	85%	35	77%	26	88%	39	90%
	ETI4640	FA Full term			3	100%				
		SP Full term			20	90%			13	100%
		Course			23	91%			13	100%
	ETI4704	FA Full term					6	100%		
		SU Full term					12	100%		
		Course					18	100%		

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

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

Major, Associated Courses and Sub-session			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
6333 - BS Engineering Technology - EE	EET4158	SP Full term			1	100%			15	87%
		SU Full term			5	80%				
		Course			6	83%			15	87%
	ETS3543C	FA Full term	25	60%	28	79%	17	71%	24	58%
		SP Full term	25	64%	28	71%	20	70%	24	71%
		SU Full term	17	71%	13	85%			12	83%
		Course	67	64%	69	77%	37	70%	60	68%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by Multiple Session/Sub-session Only

Major and Session/Sub-session		2017-2018	
		Attempted	% Successful
6331 - BSET	FA Full term	199	87%
	SP Full term	284	88%
	SU Full term	73	92%
	Program Total	556	88%
6333 - BS Engineering Technology - EE	FA Full term	134	73%
	SP Full term	86	84%
	SU Full term	12	83%
	Program Total	232	78%
	Total	788	85%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Program, Course, IM and Session/Sub-session	# Students Enrolled	Success Rate
6331 - BSET	490	89%
CIS4510	15	93%
Online	15	93%
Fall 2018	7	100%
Full term	7	100%
Spring 2019	8	88%
Full term	8	88%
EET3085	39	74%
Online	39	74%
Fall 2018	23	74%
Full term	23	74%
Spring 2019	16	75%
Full term	16	75%
EET3086	43	77%
Online	43	77%
Summer 2018	9	78%
Fall 2018	15	87%
Full term	15	87%
Spring 2019	19	68%
Full term	19	68%
EGN2045	21	71%
Online	21	71%
Fall 2018	11	82%
Full term	11	82%
Spring 2019	10	60%
Full term	10	60%
EGN3046	40	83%
Online	40	83%
Summer 2018	16	94%
Spring 2019	24	75%
Full term	24	75%

Program, Course, IM and Session/Sub-session	# Students Enrolled	Success Rate
6331 - BSET	490	89%
EGN3311	23	100%
Online	23	100%
Fall 2018	23	100%
Full term	23	100%
EGN3321	17	100%
Online	17	100%
Spring 2019	17	100%
Full term	17	100%
EGN3613	39	87%
Online	39	87%
Summer 2018	16	88%
Spring 2019	23	87%
Full term	23	87%
ETC4241	7	100%
Online	7	100%
Spring 2019	7	100%
Full term	7	100%
ETG3533	19	95%
Online	19	95%
Spring 2019	19	95%
Full term	19	95%
ETG3907	21	100%
Online	21	100%
Summer 2018	21	100%
ETG4950C	35	91%
Online	35	91%
Fall 2018	12	83%
Full term	12	83%
Spring 2019	23	96%
Full term	23	96%
ETI3116	31	97%
Online	31	97%
Spring 2019	31	97%
Full term	31	97%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%

Course Success Rates by Modality and Session/Sub-session (2 of 2)

Program, Course, IM and Session/Sub-session	# Students Enrolled	Success Rate
6331 - BSET	490	89%
ETI3421	30	93%
Online	30	93%
Summer 2018	11	91%
Fall 2018	19	95%
Full term	19	95%
ETI4205	25	84%
Online	25	84%
Fall 2018	25	84%
Full term	25	84%
ETI4448	39	90%
Online	39	90%
Fall 2018	26	88%
Full term	26	88%
Spring 2019	13	92%
Full term	13	92%
ETI4640	13	100%
Online	13	100%
Spring 2019	13	100%
Full term	13	100%
ETM4220	19	100%
Online	19	100%
Spring 2019	19	100%
Full term	19	100%
ETM4331	14	100%
Online	14	100%
Fall 2018	14	100%
Full term	14	100%

Program, Course, IM and Session/Sub-session	# Students Enrolled	Success Rate
6333 - BSET-EE	164	77%
CET3198	25	56%
Online	25	56%
Fall 2018	25	56%
Full term	25	56%
EET3716	20	80%
Online	20	80%
Fall 2018	20	80%
Full term	20	80%
EET4158	15	87%
Online	15	87%
Spring 2019	15	87%
Full term	15	87%
EET4732	16	94%
Online	16	94%
Spring 2019	16	94%
Full term	16	94%
ETP4240	12	100%
Online	12	100%
Fall 2018	12	100%
Full term	12	100%
ETS3543C	60	68%
Online	60	68%
Summer 2018	12	83%
Fall 2018	24	58%
Full term	24	58%
Spring 2019	24	71%
Full term	24	71%
ETS4502C	16	100%
Online	16	100%
Fall 2018	16	100%
Full term	16	100%
Grand Total	654	86%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by Modality and Race/Ethnicity (1 of 3)

Program, Course, IM and Race/Ethnicity	# Students Enrolled	Success Rate
6331 - BSET	477	89%
CIS4510	15	93%
Online	15	93%
Black	1	100%
Hispanic	2	100%
Two or More Races	1	100%
White	11	91%
EET3085	38	74%
Online	38	74%
Am. Ind	1	100%
Asian	3	100%
Black	6	50%
Hispanic	8	63%
White	20	80%
EET3086	43	77%
Online	43	77%
Asian	1	100%
Black	5	100%
Hispanic	4	75%
Two or More Races	1	100%
White	32	72%
EGN2045	21	71%
Online	21	71%
Black	4	50%
Hispanic	3	67%
White	14	79%
EGN3046	40	83%
Online	40	83%
Black	2	100%
Hispanic	6	67%
Two or More Races	3	100%
White	29	83%

Program, Course, IM and Race/Ethnicity	# Students Enrolled	Success Rate
6331 - BSET	477	89%
EGN3311	20	100%
Online	20	100%
Black	4	100%
Hispanic	3	100%
Two or More Races	1	100%
White	12	100%
EGN3321	16	100%
Online	16	100%
Asian	1	100%
Black	1	100%
Hispanic	4	100%
Two or More Races	1	100%
White	9	100%
EGN3613	38	87%
Online	38	87%
Asian	1	100%
Black	3	100%
Hispanic	9	89%
Two or More Races	3	100%
White	22	82%
ETC4241	7	100%
Online	7	100%
Hispanic	2	100%
White	5	100%
ETG3533	17	94%
Online	17	94%
Asian	2	100%
Hispanic	5	100%
White	10	90%

Source: IR Program Assessment Data

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Program, Course, IM and Race/Ethnicity	# Students Enrolled	Success Rate	Program, Course, IM and Race/Ethnicity	# Students Enrolled	Success Rate
6331 - BSET	477	89%	6331 - BSET	477	89%
ETG3907	20	100%	ETI4448	39	90%
Online	20	100%	Online	39	90%
Asian	2	100%	Asian	2	50%
Black	3	100%	Black	5	100%
Hispanic	5	100%	Hispanic	5	100%
Two or More Races	1	100%	Two or More Races	2	100%
White	9	100%	White	25	88%
ETG4950C	35	91%	ETI4640	13	100%
Online	35	91%	Online	13	100%
Asian	1	100%	Black	1	100%
Black	2	100%	Hispanic	2	100%
Hispanic	6	83%	Two or More Races	1	100%
Two or More Races	2	100%	White	9	100%
White	24	92%	ETM4220	19	100%
ETI3116	29	97%	Online	19	100%
Online	29	97%	Black	1	100%
Black	2	100%	Hispanic	6	100%
Hispanic	6	100%	White	12	100%
Two or More Races	3	100%	ETM4331	13	100%
White	18	94%	Online	13	100%
ETI3421	29	93%	Black	1	100%
Online	29	93%	Hispanic	3	100%
Asian	1	100%	White	9	100%
Black	3	67%	6333 - BSET-EE	161	78%
Hispanic	4	100%	CET3198	24	54%
White	21	95%	Online	24	54%
ETI4205	25	84%	Black	5	20%
Online	25	84%	Hispanic	3	33%
Am. Ind	1	100%	Two or More Races	2	0%
Asian	1	0%	White	14	79%
Black	2	50%			
Hispanic	7	86%			
White	14	93%			

Source: IR Program Assessment Data

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Course Success Rates by Modality and Race/Ethnicity (3 of 3)

Program, Course, IM and Race/Ethnicity	# Students Enrolled	Success Rate
6333 - BSET-EE	161	78%
EET3716	20	80%
Online	20	80%
Asian	1	100%
Black	3	67%
Hispanic	2	50%
Two or More Races	1	100%
White	13	85%
EET4158	15	87%
Online	15	87%
Asian	1	100%
Black	3	67%
Two or More Races	1	100%
White	10	90%
EET4732	16	94%
Online	16	94%
Asian	1	100%
Black	3	100%
Two or More Races	1	100%
White	11	91%
ETP4240	12	100%
Online	12	100%
Black	1	100%
Two or More Races	2	100%
White	9	100%

Program, Course, IM and Race/Ethnicity	# Students Enrolled	Success Rate
6333 - BSET-EE	161	78%
ETS3543C	58	69%
Online	58	69%
Asian	1	100%
Black	6	33%
Hispanic	20	70%
Two or More Races	2	100%
White	29	72%
ETS4502C	16	100%
Online	16	100%
Black	1	100%
Hispanic	1	100%
Two or More Races	1	100%
White	13	100%
Grand Total	638	85%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Grade Distribution (1 of 2)

Major	Term	Course	2017-2018							
			A	B	C	D	F	FNs	Ws	W1s
6331- BS Engineering Technology	Summer 2017	EET3086	3	3	1	0	2	0	0	0
		EGN3046	9	6	0	0	0	0	1	0
		EGN3613	3	9	2	1	1	0	0	0
		ETG3907	21	0	0	0	0	0	0	0
		ETI3421	8	1	1	0	0	0	1	0
		Total	44(60.3%)	19(26%)	4(5.5%)	1(1.4%)	3(4.1%)	0(0%)	2(2.7%)	0(0%)
	Fall 2017	CIS4510	2	2	3	0	0	0	0	0
		EET3085	13	3	1	1	3	0	2	0
		EET3086	4	8	1	2	0	0	0	0
		EGN2045	3	4	2	0	0	0	2	0
		EGN3311	16	5	2	0	0	0	0	0
		ETG4950C	4	5	1	0	2	0	0	0
		ETI3421	16	0	2	0	0	0	1	0
		ETI4205	14	6	1	0	0	3	1	0
		ETI4448	9	12	2	0	0	0	2	1
		ETM4331	9	3	2	0	0	0	0	0
		Total	90(51.2%)	48(27.4%)	17(9.7%)	3(1.7%)	5(2.9%)	3(1.7%)	8(4.6%)	1(0.6%)
	Spring 2018	CIS4510	1	4	2	1	0	0	0	0
		EET3085	9	1	2	0	3	0	1	0
		EET3086	2	8	3	0	5	0	1	0
		EGN2045	5	1	0	0	2	0	2	0
		EGN3046	10	7	1	1	2	0	1	2
		EGN3321	9	3	5	0	0	0	0	0
		EGN3613	6	8	6	0	1	0	1	1
		ETC4241	1	5	1	0	0	0	0	0
		ETG3533	8	6	4	0	0	1	0	0
		ETG4950C	15	3	4	0	1	0	0	0
		ETI3116	16	9	5	0	0	1	0	0
		ETI4448	2	6	4	0	0	0	0	1
		ETI4640	10	0	3	0	0	0	0	0
		ETM4220	15	4	0	0	0	0	0	0
		Total	109(45%)	65(26.9%)	40(16.5%)	2(0.8%)	14(5.8%)	2(0.8%)	6(2.5%)	4(1.7%)

Grade Distribution (2 of 2)

Major	Term	Course	2017-2018							
			A	B	C	D	F	FNs	Ws	W1s
6333- BS Engineering Technology - EE	Summer 2017	ETS3543C	4	4	2	1	1	0	0	0
		Total	4(33.3%)	4(33.3%)	2(16.7%%)	1(8.3%)	1(8.3%)	0(0%)	0(0%)	0(0%)
	Fall 2017	CET3198	4	8	2	2	0	5	3	1
		EET3716	3	11	2	1	2	0	1	0
		ETP4240	9	3	0	0	0	0	0	0
		ETS3543C	5	7	2	6	0	0	4	0
		ETS4502C	15	1	0	0	0	0	0	0
		Total	36(37.1%)	30(30.9%)	6(6.2%)	9(9.3%)	2(2.1%)	5(5.2%)	8(8.2%)	1(1%)
	Spring 2018	EET4158	3	3	7	0	1	1	0	0
		EET4732	3	9	3	0	1	0	0	0
		ETS3543C	8	4	5	1	1	1	4	0
		Total	14(25.5%)	16(29.1%)	15(27.3%)	1(1.8%)	3(5.5%)	2(3.6%)	4(7.3%)	0(0%)

Average Class Size by Course (1 of 2)

Major and Associated Courses		2014-2015		2015-2016		2016-2017		2017-2087	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
6331 - Engineering Tech	CIS4510	1	11	1	8	2	15	2	8
	EET3085	2	10	2	21			2	20
	EET3086	3	34	3	21			3	14
	EGN2045					2	14	2	11
	EGN3046					1	62	2	20
	EGN3311	1	15	1	15	1	18	1	23
	EGN3321							1	17
	EGN3613	2	16	2	13	2	23	2	20
	ETC4241	1	9	1	6			1	7
	ETG3533	1	15	1	12	1	12	1	19
	ETG3541	1	23	1	23	1	18		
	ETG3907	1	2					1	21
	ETG4950C	2	14	2	13	2	12	2	18
	ETI3116	2	18	2	23	2	18	1	31
	ETI3421	1	12	2	11	1	14	2	15
	ETI4186	1	16						
	ETI4205			1	22	1	12	1	25
	ETI4448	2	17	2	18	2	13	2	20
	ETI4640	1	15	1	20			1	13
	ETI4704	1	22	1	21	2	9		
	ETM4220	1	15	1	21	1	18	1	19
	ETM4331	1	18	1	15	1	8	1	14
	ETS4502	1	19	1	19	1	21		
	Major	**29**	**17**	**29**	**16**	**23**	**16**	**29**	**17**

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.

Average Class Size by Course (2 of 2)

Major and Associated Courses		2014-2015		2015-2016		2016-2017		2017-2018	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
6333 – Engineering Tech - EE	CET3198	1	11	1	14	1	12	1	25
	EET3716	2	8	1	9	1	22	1	20
	EET4158	1	12	1	5	1	8	1	15
	EET4732	1	13	1	5	1	6	1	16
	ETP4240	2	7	1	9	1	15	1	12
	ETS3543C	3	22	3	23	3	11	3	20
	ETS4502C							1	16
	Major	11	12	8	14	8	13	9	18

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

Performance Funding - Graduation Rates

Major	Fall Cohort Year	# in Cohort	150% Graduates	150% Graduation Rate	200% Graduates	200% Graduation Rate
6331-Engineering Tech	2013	36	8	22.2%	12	33.3%
	2014 – 200% In progress	22	6	27.3%	6	27.3%
	2015 – In progress	22	6	27.3%	6	27.3%
6333-Engineering Tech- EE	2013	15	4	26.7%	4	26.7%
	2014 – 200% In progress	10	4	40%	4	40%
	2015 – In progress	23	2	8.7%	2	8.7%

College average (150%- 58.3%, 200%- 66.1%)
Fall terms include prior Summer term enrollment in major.
Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Performance Funding - Graduation Rates by Race/Ethnicity

Major	Fall Cohort Year	Race/Ethnicity	# in Cohort	150% Graduates	150% Graduation Rate	200% Graduates	200% Graduation Rate
6331-Engineering Tech	2013	Asian	1	0	0.0%	0	0.0%
		Black	3	1	33.3%	1	33.3%
		Hispanic	6	1	16.7%	1	16.7%
		White	25	6	24.0%	10	40.0%
	2014 – 200% In progress	Black	2	1	50.0%	1	50.0%
		Hispanic	5	1	20.0%	1	20.0%
		Two or More Races	1	1	100.0%	1	100.0%
		White	13	3	23.1%	3	23.1%
	2015 – In progress	Asian	1	0	0.0%	0	0.0%
		Black	3	0	0.0%	0	0.0%
		Hispanic	5	1	20.0%	1	20.0%
		White	12	4	33.3%	4	33.3%
6333-Engineering Tech- EE	2013	Asian	1	0	0.0%	0	0.0%
		Black	1	0	0.0%	0	0.0%
		White	13	4	30.8%	4	30.8%
	2014 – 200% In progress	Asian	1	0	0.0%	0	0.0%
		White	9	4	44.4%	4	44.4%
	2015 – In progress	Asian	1	0	0.0%	0	0.0%
		Black	3	0	0.0%	0	0.0%
		Hispanic	1	0	0.0%	0	0.0%
		Two or More Races	1	0	0.0%	0	0.0%
		White	16	2	12.5%	2	12.5%

Source: IR Program Assessment Data

Performance Funding - Retention Rates

Program and Cohort Year		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		DSC Total Retained
					N	%	N	%	
6331 BS-Engr. Tech	2013	90	7	84	3	3.57%	55	65.48%	69.05%
	2014	99	20	79	6	7.59%	49	62.03%	69.62%
	2015	41	5	36	1	2.30%	23	63.90%	66.20%
	2016	67	12	55	1	2.00%	30	55.00%	57.00%
6333 BS-Engr. Tech - EE	2013	47	9	40	4	10.00%	18	45.00%	55.00%
	2014	43	7	36	4	11.11%	23	63.89%	75.00%
	2015	28	2	26	0	0.00%	16	61.50%	61.50%
	2016	44	2	42	2	5.00%	28	67.00%	71.00%

College average (67.1%)
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

Fall 2016 to Fall 2017 Retention Rates by Race/Ethnicity

Major	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by Program N	%
6331- Engineering Tech	Asian	1	0	1	0	0%
	Black	6	1	5	2	40%
	Hispanic	13	1	12	9	75%
	Two or More Races	2	2	0		
	White	44	8	36*	18	50%
6333- Engineering Tech- EE	Black	4	0	4	2	50%
	Hispanic	4	0	4	2	50%
	Two or More Races	3	0	3	2	67%
	White	32	2	30*	21	70%

*one student retained by DSC

College average (African American: 49.9%, Hispanic: 66.3%)

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.

Adjusted Cohort - Registered students less exclusions.

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

Performance Funding - Placement Rates
(College average: 95.5%)

Program Title	Cohort Year	Grads Reported	Continuing Education	Employed		Estimated Average Annual Full-Time Wage	
				DSC	FCS	DSC	FCS
BS Engineering Technology (ET)	2016/17	18	****	72%	72%	$54,356	$54,356
	2015/16	36	N/A	69%	69%	$49,160	$49,160
	2014/15	44	N/A	75%	75%	$49,736	$49,736
	2013/14	41	4%	95%	97%	$37,952	$49,832
	2012/13	65	11%	52%	52%	$ 45,092	$ 45,092

Source: Florida Education Training Placement Information Program (FETPIP)

*Currently Inactive Program.
N/A - No placement data for the program.

Note: Programs with no graduates are excluded from this report for the reporting year.
(****), ($**,***), or (***%) - Number of graduates less than 10 but greater than 0 suppressed.

Indicates the College average above the State Averages
Indicates the College average same as the State Averages
Indicates the College average below the State Averages

Source: IR Program Assessment Data

Headcount by Major

Major	2014-2015	2015-2016	2016-2017	2017-2018
6331 - BS-ENGR TECH	136	130	102	115
6333 - BS-ENGR TECH - EE	56	73	62	75
School Total	192	203	164	181

College Enrollment Decreased: 0.7%(14/15); 1.15% (15/16); 3.7%(16/17); 0.7%(17/18)

Source: IR Program Assessment Data

Students are duplicated across programs, unduplicated in the total.

Headcount vs. New Students and Graduates

Programs, Headcount, New Students, and Graduates		15-16	16-17	17-18
6331 - BSET	New Students	45	35	57
	Graduates	18	13	15
	Headcount	130	102	112
6333 - BSET-EE	New Students	38	24	28
	Graduates	7	4	8
	Headcount	73	62	75

Students are duplicated across programs, unduplicated in the total.

Graduates in Major

Major	2014-2015	2015-2016	2016-2017	2017-2018
6331 - BS-Engr Tech	21	18	13	15
6333 - BS-Engr Tech - EE	7	7	4	8
Total	28	25	17	23

Source: IR Program Assessment Data

Average Age by Program

Program	2014-2015	2015-2016	2016-2017	2017-2018
6331 - BS-Engr Tech	31.0	32.0	35.9	34.8
6333 - BS-Engr Tech - EE	33.0	33.0	34.3	34.3

Calculation excludes individuals whose birthdates are not reported.

	2014-2015	2015-2016	2016-2017	2017-2018
All Programs	31.8	31.7	32.1	34.6
Daytona State College	26.4	26	27.0	27.2

Source: IR Program Assessment Data

Gender

Program	2014-2015		2015-2016		2016-2017		2017-2018	
	Female	Male	Female	Male	Female	Male	Female	Male
6331 - BS-Engr. Tech	17%	83%	15%	85%	11%	89%	13%	87%
6333 - BS-Engr. Tech - EE	9%	91%	10%	90%	10%	90%	15%	85%

Blank cells or missing years indicate no enrollment. Excludes individuals whose gender is not reported.

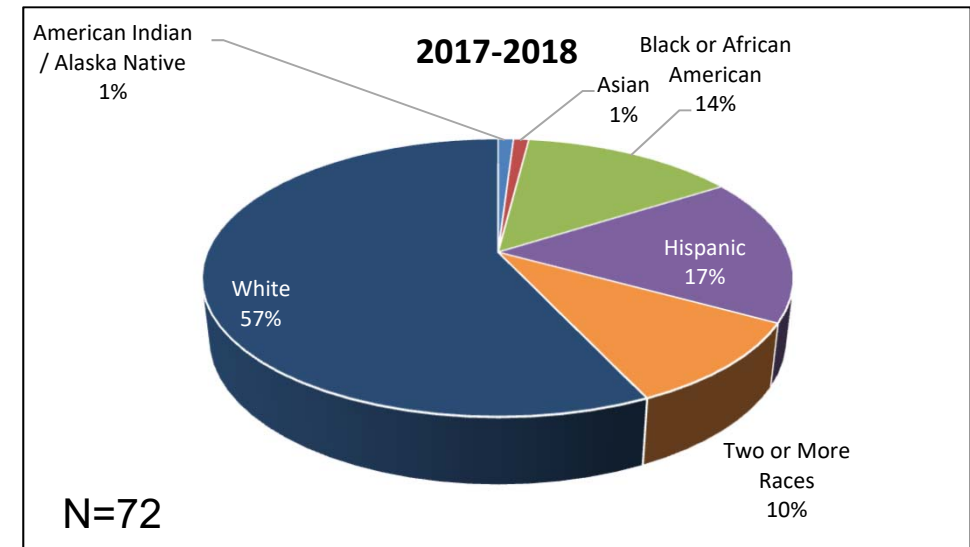| Major	2014-2015		2015-2016		2016-2017		2017-2018	
	Female	Male	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	60%	40%	60%	40%	59%	38%

Race / Ethnicity by Program
6331 – BS Engineering Technology
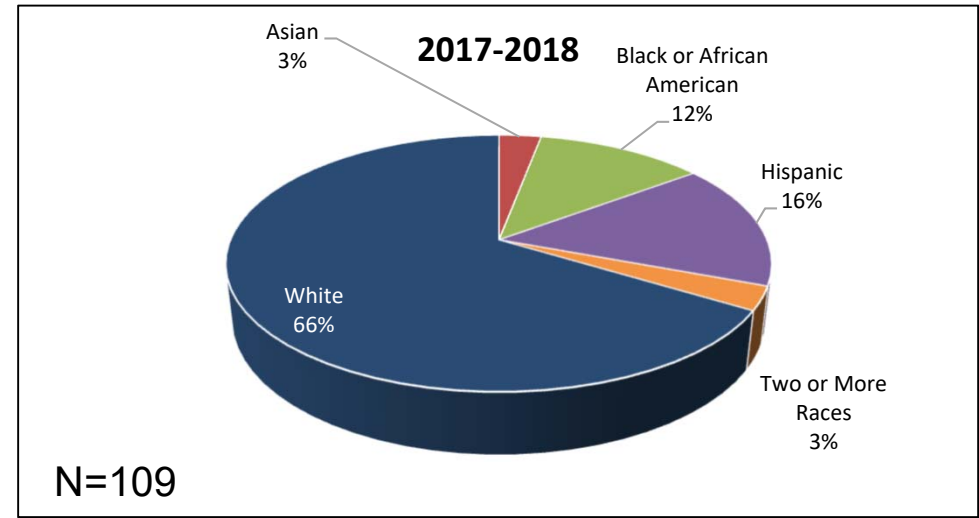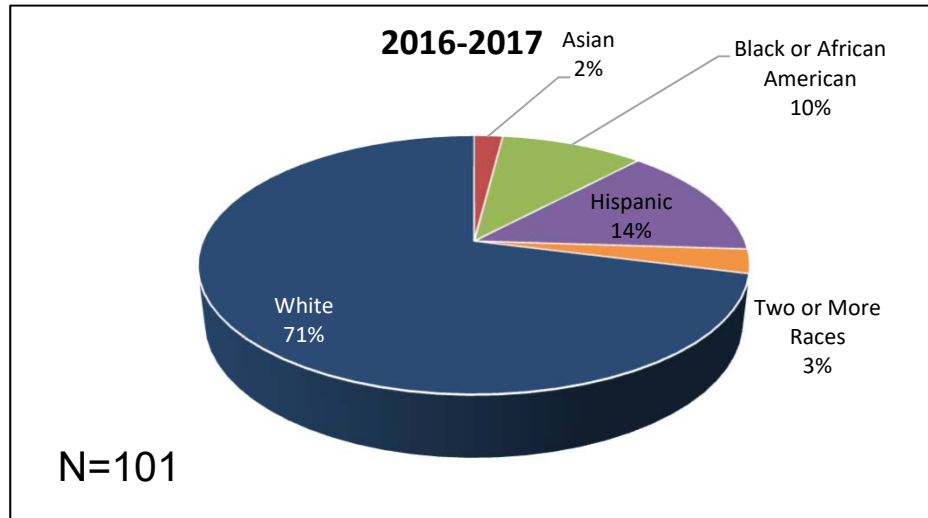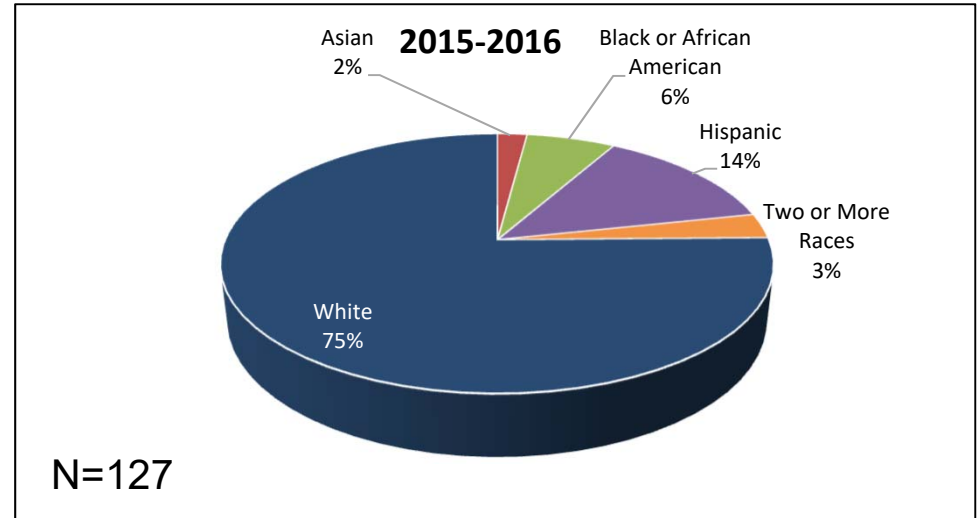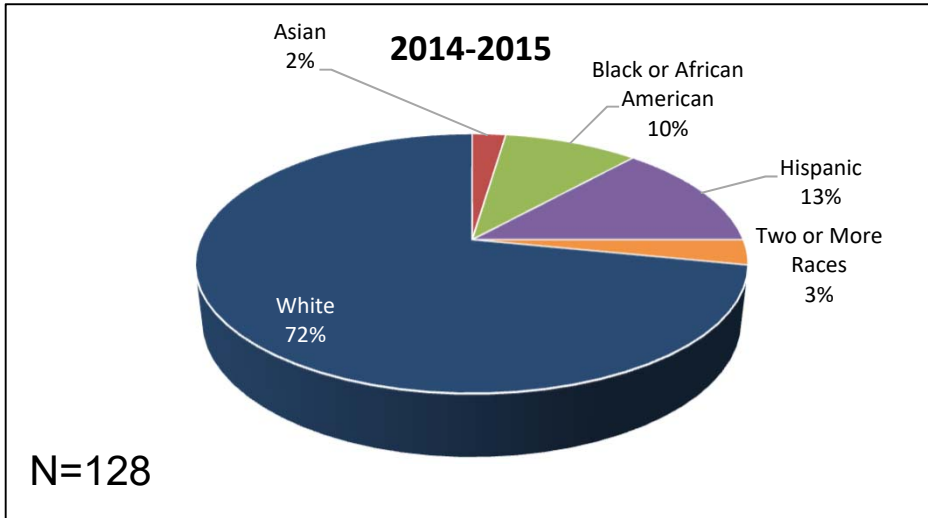
2014-2015
- Asian 2%
- Black or African American 10%
- Hispanic 13%
- Two or More Races 3%
- White 72%
- N=128

2015-2016
- Asian 2%
- Black or African American 6%
- Hispanic 14%
- Two or More Races 3%
- White 75%
- N=127

2016-2017
- Asian 2%
- Black or African American 10%
- Hispanic 14%
- Two or More Races 3%
- White 71%
- N=101

2017-2018
- Asian 3%
- Black or African American 12%
- Hispanic 16%
- Two or More Races 3%
- White 66%
- N=109

DSC Averages 2017-2018			
Black or African Amer	Hispanic	2 or More Races	White
14%	19%	3%	59%

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
6333 – BS Engineering Technology - EE

2012-2013 — N=56
- Asian 2%
- Black or African American 9%
- Hispanic 12%
- White 77%

2015-2016 — N=72
- Asian 3%
- Black or African American 10%
- Hispanic 11%
- Two or More Races 1%
- White 75%

2016-2017 — N=60
- Asian 2%
- Black or African American 15%
- Hispanic 12%
- Two or More Races 7%
- White 64%

2017-2018 — N=72
- American Indian / Alaska Native 1%
- Asian 1%
- Black or African American 14%
- Hispanic 17%
- Two or More Races 10%
- White 57%

DSC Averages 2017-2018			
Black or African Amer	Hispanic	2 or More Races	White
14%	19%	3%	59%

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

Source: IR Program Assessment Data