



Institute for Industry-Education

#5 Plan cycle - 5
Plan cycle 2021/2022
7/1/21 - 6/30/22

Performance Objective 1 Provide professional development opportunities to SWLA.

1 Assessment and Benchmark

Benchmark: Offer a minimum of 20 professional development opportunities per year.

Prior to 2021-2022, the benchmark was to offer a minimum of 40 professional development opportunities per year.

1.1 Data

2017-2018:

#	Date	Course Title	Enrollment	Total Hours
47	June 5-7, 2018	Citgo Health and Safety SEED Center Seminar	35	24
46	June 5-7, 2018	Westlake South BOT	11	24
45	May 31, 2018	DOT Hazardous Materials Transportation	2	8
44	May 21-25, 2018	Field Training Officer Academy	25	40
43	May 21, 2018	Resource Conservation and Recovery Act (RCRA)	1	8
42	May 21-June 1, 2018	Westlake Basic Operator Training (BOT)	15	72
41	May 7-18, 2018	SASOL Pre-Operations Training	7	80
40	April 30, 2018	DOT Hazardous Material Transportation (HM-181)	2	8
39	April 30-May 4, 2018	Intermediate Vibration Analysis - ISO Category II	11	40
38	April 23-27, 2018	Custom Training Westlake Chemical	11	40
37	April 19 & 26, 2018	Invista Excel Training	51	16
36	April 16, 2018	Steam Turbines - Design, Thermodynamics and Operation	10	8
35	April 11-13, 2018	Custom Training CITGO	12	24
34	April 5, 2018	Pump Life Extension	12	8
33	March 13, 2018	Ethics for Registered Engineers & Surveyors	7	2
32	March 12-23, 2018	Sasol Custom Training	16	80
31	March 5-6, 2018	Interlock and Control Circuitry Troubleshooting	5	16
30	March 5, 2018	Resource Conservation and Recovery Act (RCRA)	3	8
29	March 1-2, 2018	Flowserve - Citgo	30	16
28	February 20-22, 2018	Dynamic Balancing	14	24
27	February 16, 2018	Operator and Machinery Reliability Training	5	8
26	February 8, 2018	Compressors: How to Achieve High Reliability and Availability	19	8
25	January 29-February 9, 2018	SASOL Pre-Operations Training	15	80
24	January 22-26, 2018	Westlake Chemical Custom Training	14	40
23	January 16-19, 2018	SASOL Foundations Training	15	32
22	January 16, 2018	Construction Site Safety Technician (CSST)	10	80.5
21	January 16, 2018	DOT Hazardous Material Transportation (HM-181)	2	8

20	January 8-12, 2018	SASOL Foundations Training	15	36
19	December 11-15, 2017	Field Training Officer Academy	29	40
18	December 12-15, 2017	Custom Training SASOL	15	32
17	December 11, 2017	Vibration Analysis and Machine Fault Diagnostics	8	8
16	December 6-8, 2017	Custom Training CITGO	15	24
15	December 5, 2017	What Went Wrong? Learning Chemical Process Safety from Chemical Plant Incidents	10	8
14	November 28-December 1, 2017	Custom Training SASOL	18	32
13	November 13-17, 2017	Custom Training SASOL	18	36.5
12	October 30-November 10, 2017	Custom Training WESTLAKE	9	80
11	October 24-27, 2017	OSHA 501 Training Course	7	30
10	October 16-27, 2017	Custom Training SASOL	15	80
9	October 9, 2017	DOT Hazardous Material Transportation (HM-181)	2	8
8	October 2-13, 2017	Custom Training WESTLAKE	14	80
7	September 18, 2017	Resource Conservation and Recovery Act (RCRA)	2	8
6	September 12, 2017	Ethics for Registered Engineers & Surveyors	10	2
5	September 11-15, 2017	Intermediate Vibration Analysis - ISO Category II	14	40
4	September 7-November 30, 2017	Notary Prep Course	19	36
3	September 7-December 12, 2017	Construction Site Safety Technician (CSST)	17	80.5
2	August 28, 2017	DOT Hazardous Material Transportation (HM-181)	3	8
1	July 17, 2017	DOT Hazardous Material Transportation (HM-181)	3	8
Total			603	1,479.5

2018-2019:
See attached data table.

2019-2020:
See attached data table.

2020-2021:

#	Date	Course Title	Enrollment	Total Hours
14	June 29, 2021	Compressors	2	8
13	June 14-18, 2021	Precision Maintenance Skills I	6	40

12	June 10-September 16, 2021	Notary Exam Prep	10	42
11	May 7, 2021	Resource Conservation and Recovery Act (RCRA)	3	8
10	March 24-25, 2021	Troubleshooting Process Operations	19	16
9	March 9, 2021	Fired Heaters	4	4
8	March 8-June 21, 2021	Notary Exam Prep	21	42
7	March 8, 2021	Resource Conservation and Recovery Act (RCRA)	2	8
6	December 1-2, 2020	Project Management (for Entergy)	6	16
5	November 17-20, 2020	CUSTOM Relief Systems Design Training (for LA Pigment)	6	32
4	November 17, 2020	Ethics for Registered Engineers & Surveyors	11	1
3	August 11, 2020	Arc Flash NFPA 70E 2018 Update/Review	5	8
2	July 31, August 1-2, & August 7-9, 2020	Private Investigator Training Course	7	40
1	July 14, 2020	Piping and Valves	8	9
Total			110	274

2021-2022:

See attached data table.

[IIEC Course Offerings_2018-2019](#) [PDF 137 KB 6/15/22]

[IIEC Course Offerings_2019-2020](#) [PDF 133 KB 6/15/22]

[IIEC Course Offerings_2021-2022](#) [PDF 122 KB 7/14/22]

1.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

During this academic year, the Institute of Industry-Education Collaboration offered 48 professional development opportunities.

2018-2019:

During this academic year, the Institute of Industry-Education Collaboration offered 49 professional development opportunities.

2019-2020:

During this academic year, the Institute of Industry-Education Collaboration offered 42 professional development opportunities.

2020-2021:

During this academic year, the Institute of Industry-Education Collaboration offered only 14 professional development opportunities. There are three main reasons the IIEC did not reach its benchmark: (1) No on-site courses were offered in FY21. Approximately one-third of the professional development opportunities offered each fiscal year are on-site courses requiring special equipment—most of which is predominately situated outside in the open air. This open-air equipment was heavily damaged during Hurricanes Laura and Delta. Repairs are ongoing as of 10/15/21. (2) Covid-19 restrictions continue to adversely affect enrollment. (3) The IIEC had more employees and more university support (e.g. the McNeese EDA University Center) in the three fiscal years prior to FY21. The IIEC had one employee at the end of FY21. With one IIEC employee, the benchmark should be modified to 20 professional development opportunities a year.

2021-2022:

During this academic year, the Institute of Industry - Education Collaboration offered 30 online and in-person professional development opportunities. Many of these opportunities targeted the petrochemical industry due to its regional economic importance and due to the IIEC's history of partnership with McNeese Engineering.

The IIEC offered additional career training programs and fundamental skills courses through Ed2Go. Ed2Go is an e-learning provider with a network of more than 1,800 top colleges and universities, including these in Louisiana: University of Louisiana at Lafayette, University of Louisiana Monroe, Louisiana State University at Alexandria, Louisiana State University at Shreveport, and Northwestern State University. Ed2Go courses are online and ongoing. Participants of Ed2Go can choose from 400 career training programs and 800 skills topics related to Art and Design, Business, Computer Applications, Computer Science, Construction and Trades, Health and Fitness, Hospitality, Information Technology, Language, Legal, Teacher Professional Development, and Writing. 59 people enrolled in and/or completed 45 Ed2Go skills courses this fiscal year, and 7 people enrolled in and/or completed 6 Ed2Go career training programs leading to certifications this fiscal year.

Continuous improvement goal: diversification. The IIEC offers online and in-person professional development courses for continuing education credits primarily for engineering related professions. Ideally, we would offer continuing education credits for professionals of all sectors, particularly those with certifications. Louisiana State University uses MindEdge. Like Ed2Go, MindEdge is an e-learning provider. Unlike Ed2Go, MindEdge awards continuing education credits from important credentialing organizations: IACET, HRCI, and SHRM.

2 Assessment and Benchmark

Benchmark: Service a minimum of 250 people with a variety of professional development courses.

Prior to 2021-2022, the benchmark was to service a minimum of 500 people with a variety of professional development courses.

2.1 Data

2017-2018:

During the 2017-2018 academic year, 603 people attended IIEC professional development courses (see table above).

2018-2019:

During the 2018-2019 academic year, 472 people attended IIEC professional development courses (see table attached to Data field above). The IIEC, as Sasol's Primary Training Provider for its 2019 Incumbent Workers Training Program (IWTP) grant, supported the professional development of 492 Sasol employees from October 2018-June 2019. In total, IIEC efforts led to the 964 people receiving professional development training.

2019-2020:

During the 2019-2020 academic year, 385 people attended IIEC professional development courses (see table attached to Data field above). The IIEC, as Sasol's Primary Training Provider for its 2019 Incumbent Workers Training Program (IWTP) grant, supported the professional development of 53 Sasol employees from July 2019-September 2019. The IIEC, as Sasol's Primary Training Provider for its 2020 Incumbent Workers Training Program (IWTP) grant, supported the professional development of 233 Sasol employees from January 2020-June 2020. In total, IIEC supported the professional development of 671 people.

2020-2021:

During the 2020-2021 academic year, 346 people attended IIEC professional development courses (see table above). The IIEC, as Sasol's Primary Training Provider for its 2020 Incumbent Workers Training Program (IWTP) grant, supported the professional development of 703 Sasol employees from July 2020-June 2021. In total, IIEC supported the professional development of 1049 people.

2021-2022:

During the 2021-2022 academic year, 313 people attended IIEC professional development courses.

2.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Benchmark met. Continue offering valuable professional development opportunities.

2019-2020:

Benchmark met. Continue offering valuable professional development opportunities.

2020-2021:

Benchmark met. Continue offering valuable professional development opportunities. However, for the reasons given in 1.1.1 (all of which will continue to impact FY22), 500 people trained is an unlikely outcome. With less than half the support in FY22 as in the previous four fiscal years, 250 people trained is a more likely outcome.

2021-2022:

Benchmark met. Continue offering valuable professional development opportunities.

Performance Objective 2 Maintain the EDA University Center status.

1 Assessment and Benchmark

Benchmark: Continue the operation of the EDA University Center funded by EDA.

1.1 Data

2017-2018:

A proposal was submitted on June 13, 2018.

2018-2019:

McNeese is not currently eligible to apply for another five-year EDA University Center contract.

2019-2020:

McNeese is not currently eligible to apply for another five-year EDA University Center contract.

2020-2021:

McNeese is not currently eligible to apply for another five-year EDA University Center contract.

2021-2022:

McNeese no longer has an EDA University Center.

1.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

This benchmark is not applicable for another five years.

2019-2020:

This benchmark is not applicable for another four years.

2020-2021:

This benchmark is not applicable for another three years.

2021-2022:

This benchmark is no longer applicable.

Performance Objective 3 Expand Institute for Industry-Education Collaboration professional development opportunities to include non-technical courses.

1 Assessment and Benchmark

Benchmark: Organize, market, and offer at least five non-technical courses.

1.1 Data

2017-2018:

				Total
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#	Date	Course Title	Enrollment	Hours
44	May 21-25, 2018	Field Training Officer Academy	25	40
37	April 19 & 26, 2018	Invista Excel Training	51	16
33	March 13, 2018	Ethics for Registered Engineers & Surveyors	7	2
19	December 11-15, 2017	Field Training Officer Academy	29	40
6	September 12, 2017	Ethics for Registered Engineers & Surveyors	10	2
4	September 7- November 30, 2017	Notary Prep Course	19	36
Total			131	136

2018-2019:

#	Date	Course Title	Enrollment	Total Hours
39	March 20-July 17, 2019	Notary Preparatory Course	10	48
37	March 12, 2019	Ethics for Registered Engineers & Surveyors	6	1
35	February 22-25, 2019	Private Investigator Training Course	3	40
19	October 12-15, 2018	Private Investigator	8	40
15	September 19-20, 2018	Continuation of Safety Conference 2018	30	16
9	August 22-December 12, 2018	Notary Exam Prep	10	48
Total			67	193

2019-2020:

#	Date	Course Title	Enrollment	Total Hours
34	February 18, 2020	Live2Lead	14	8
33	February 17, 2020	Notary Preparatory Course	19	48
26	December 3, 2019	Ethics for Registered Engineers & Surveyors	6	1
14	September 24, 2019	Ethics for Registered Engineers & Surveyors	18	8
12	September 20-22 and 27-29, 2019	Private Investigator Training Course	12	24
11	September 17-18, 2019	Fundamentals of Successful Project Management	10	16
Total			79	105

2020-2021:

#	Date	Course Title	Enrollment	Total Hours

12	June 10-September 16, 2021	Notary Exam Prep	10	42
8	March 8-June 21, 2021	Notary Exam Prep	21	42
4	November 17, 2020	Ethics for Registered Engineers & Surveyors	11	1
2	July 31, August 1-2, & August 7-9, 2020	Private Investigator Training Course	7	40
Total			49	125

2021-2022:

#	Date	Course Title	Enrollment	Total Hours
10-54	FY22	Ed2Go Fundamental Skills Courses	59	Varies
7-9	FY22	Ed2Go Career Training Programs	3	Varies
6	June 15-September 14, 2022	Notary Exam Prep	16	42
5	June 14, 2022	Advanced Microsoft Excel	4	6
4	June 7, 2022	ONLINE Lean Six Sigma YELLOW Belt	2	8
3	February 3-May 5, 2022	Notary Exam Prep	20	42
2	November 2-3, 2021	Project Management	24	16
1	October 12, 2021	Ethics for Registered Engineers & Surveyors	11	1
Total			139	115

1.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

During the 2017-2018 academic year, the EDA University Center offered a total of six non-technical courses /events. Two of these courses were offered twice. Two events that weren't offered the previous year were offered in this fiscal year.

2019-2020:

During the 2019-2020 academic year, the IIEC offered a total of six non-technical courses. One course was offered twice.

2020-2021:

During the 2020-2021 academic year, the IIEC offered a total of four non-technical courses. One course was offered twice. This academic year was impacted by Hurricanes Laura and Delta, continued Covid-19 restrictions, and employee reduction. The IIEC is affiliated with Ed2Go an online course provider of non-technical courses. The IIEC will leverage the resources of Ed2Go to increase non-technical course offerings.

2021-2022:

During the 2021-2022 academic year, the IIEC offered a total of 6 non-technical courses. In addition, the IIEC marketed Ed2Go non-technical courses. 59 people enrolled in and/or completed 45 Ed2Go non-technical skills courses this fiscal year, and 3 people enrolled in and/or completed 3 Ed2Go non-technical career training programs leading to certifications this fiscal year.

Performance Objective 4 Maintain a level of self-generated funding to ensure sustainability.

1 Assessment and Benchmark

Benchmark: Generate a minimum of \$40,000 in net revenue per year.

Prior to 2021-2022, the benchmark was to generate a minimum of \$120,000 in net revenue per year.

1.1 Data

	Academic Year Ending				
	2016	2017	2018	2019	2020
Previous Year Balance	\$167,344.87	\$82,714.16	\$62,842.82	\$251,383.99	\$495,086.92
Income	\$230,872.25	\$423,523.50	\$537,525.21	\$474,960.56	\$362,020.61
Expenses	\$315,502.96	\$443,394.84	\$286,141.22	\$231,257.63	\$439,582.13
Net Revenue	\$82,714.16	\$62,842.82	\$251,383.99	\$495,086.92	\$417,525.40

	Academic Year Ending				
	2021	2022	2023	2024	2025
Previous Year Balance	\$417,525.40	\$590,039.62			
Income	\$300,449.18	\$204,732.56			
Expenses	\$127,934.96	\$162,674.65			
Net Revenue	\$590,039.62	\$42,057.91			

1.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

Benchmark met. Continue offering valuable professional development opportunities.

2019-2020:

Due to the statewide mandated Covid-19 shutdown, the IIEC was unable to hold courses for one quarter of the fiscal year. In addition, the IIEC took on a third employee. The additional expenses combined with the revenue lost from the shutdown resulted in a fiscal year loss.

2020-2021:

The IIEC benefited from a reduction in expenses and from recovered lost revenue through insurance and CARES Act funds. For these reasons, the IIEC met this benchmark in FY21. However, the \$120,000 benchmark is no longer applicable as it correlates to sustaining three employees. With only one employee, the benchmark should be \$40,000 in net revenue per year.

2021-2022:

Benchmark met. Continue offering valuable professional development opportunities.