



## Institute for Industry-Education Collaboration (IIEC)

#6 Plan cycle - 6

Plan cycle 2022/2023

7/1/22 - 6/30/23

**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**

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
<b>Total</b>			<b>110</b>	<b>274</b>

2021-2022:

See attached data table.

2022-2023:

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]

[IIEC Course Offerings\\_2022-2023](#) [PDF 156 KB 7/17/23]

**1.1.1 Analysis of Data and Plan for Continuous Improvement**

**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.

**2022-2023:**

Benchmark met.

Since the IIEC has consistently surpassed this benchmark in FY22 (81 courses with active or completed enrollment) and FY23 (122 courses with active or completed enrollment), suggest as a new benchmark for participant engagement by tracking metrics such as participant satisfaction rates, feedback scores, and/or Net Promoter Score (NPS). Aim for a high percentage of participants who report positive experiences, find value in the program, and are likely to recommend it to others. Regularly collect feedback through surveys, focus groups, and/or evaluations to assess the program's impact on participants' learning, skill development, and career growth.

## **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

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.

2022-2023:

During the 2021-2022 academic year, 776 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.

2022-2023:

Benchmark met.

Since the IIEC has consistently surpassed the initial benchmark of 250 people in FY22 (313) and FY23 (776), suggest as a new benchmark establishing 3 new strategic partnerships each year, demonstrating the program's ability to network and provide valuable connections and resources.

## Performance Objective 2 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

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
<b>Total</b>			<b>79</b>	<b>105</b>

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
<b>Total</b>			<b>49</b>	<b>125</b>

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
<b>Total</b>			<b>139</b>	<b>115</b>

2022-2023:

				Total	Number
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#	Date	Course Title	Enrollment	Hours	of Courses
1	May 15, 2023	Jitterbug: Single Time Swing	73	15	3
2	April 17, 24, May 1, 8, 2023	Traditional Cajun Dance: Cajun Two-Step, Waltz, & Jitterbug	66	10	2
3	March 28, 2023	Pocket Journal Workshop	8	4	2
4	February 27, 2023	Ballroom Foxtrot / Waltz	41	12	2
5	February 24, 2023	ONLINE How to Be An Expert Witness	1	2	1
6	February 9, 2023	ONLINE Basics of Project Management	12	4	1
7	February 9, 2023	Paper Marbling	5	2	1
8	February 7, 14, & 28, 2023	Building Wealth through Real Estate	33	9	2
9	Feb 6, 20, Mar 6, 20, Apr 3, 17, 2023	Homeschool Art for Kids	15	12	1
10	February 1 - May 10, 2023	Notary Exam Prep	24	42	1
11	September 20, 2022	Ethics for Registered Engineers & Surveyors	17	3	2
12	August 23, 2022	ONLINE Lean & 5S Overview	2	6	1
<b>Total</b>			<b>297</b>	<b>121</b>	<b>19</b>

### 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.

2022-2023:

Benchmark met.

The IIEC has consistently met this benchmark. Moreover, the IIEC absorbed the Leisure Learning program in FY23 and began offering many non-technical leisure learning courses to boost this benchmark.

Suggest as an alternative benchmark assessing the course completion rate for online Ed2Go and MindEdge courses. Ed2Go and MindEdge are providers of online learning. Ed2Go has been a partner of McNeese for many years. MindEdge became a partner in FY23.

- Track the percentage of participants who successfully complete courses they enroll in.
- Aim for a target completion rate that indicates participant engagement, commitment, and the value of online course offerings through Ed2Go and MindEdge.

### **Performance Objective 3 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	\$552,179.73		
Income	\$300,449.18	\$204,732.56	\$222,478.50		
Expenses	\$127,934.96	\$162,674.65	\$164,318.73		
Net Revenue	\$590,039.62	\$42,057.91	\$58,159.77		

##### **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.

2022-2023:

The financial analysis for 2022 and 2023 shows a positive trend with increased income, controlled expenses, and improved net revenue.

Due to its relative financial stability, the IIEC was able to fund a number of facility improvements, repairs to Engineering equipment, and technical training for Engineering faculty in FY23.

These additional expenditures (\$34,961.74) were not included in the reported total expenses as they are variable and a certain percentage is non-recurring. Specifically, 39% of the additional expenses accounted for non-recurring costs associated with facility improvements and technical training. The remaining 61% represented repairs to aging glycol and hands-on-training units utilized by both the Engineering department and the IIEC. As these units age, the cost of ongoing repairs will be a necessary expense. Considering these additional expenses, the net revenue that the IIEC will carry over to FY24 is over \$23,000, signifying a profitable outcome in FY23.

Suggest as a continuous improvement plan generating \$43,000 in net revenue in FY24.