

CITY COLLEGES of CHICAGO Richard J. Daley

Education that Works

Program Revie	W COVER PAGE
College	Richard J. Daley College
District Number	508
Contact Person (name, title, contact information)	Anne M. Panomitros Vice President of Academic and Student Affairs apanomitros@ccc.edu 773-838-7514
Fiscal Year Reviewed:	FY 2018
Directory of Rev	VIEWS SUBMITTED
Area Being Reviewed	PAGE NUMBERS
CAREER AND TECHNICAL EDUCATION	Business – Accounting - Page 2
Academic Disciplines	Physical Sciences Page 8 Life Sciences Page 33 CNC Operations BC Page 53 CNC Machining BC Page 62 CNC Machining AC Page 72 Industrial Welding BC Page 82 Industrial Welding Tech BC Page 90 Quality Assurance BC Page 98 Welding BC Page 107
<b>CROSS-DISCIPLINARY INSTRUCTION</b>	Remedial/Developmental English Language Arts Page 115
Student and Academic Support Services	Financial Aid Page 127
Prior Review Supplemental	
Information	
OTHER ATTACHMENTS AS NECESSARY	

Career & Technical Education					
COLLEGE NAME: Richard J. Daley College					
FISCAL YEAR IN REVIEW: 2015-2019					
<b>PROGRAM IDENTIFICATION INFORMATION</b>					
Program Title	Degree or Cert	Total Credit Hours	6-DIGIT CIP CODE	LIST ALL CERTIFICATE PROGRAMS THAT ARE STACKABLE WITHIN THE PARENT DEGREE	
Accounting	Degree	60	52.0301	BC & AC	
Address all fields in the ten the program, please be	nplate. If th sure to spe	ere are certificat ecify and sufficier stackable crede	es and/or other sta atly address all que ntial.	ckable credentials within stions regarding each	
<b>Program Objectives</b> What are the overarching objectives/goals of the prog	gram?	<ul> <li>Goal 1: Students will demonstrate quantitative literacy by using accounting models to define, represent, and solve mathematical problems.</li> <li>Goal 2: Students will use critical thinking to analyze financial transactions.</li> <li>Goal 3: Students will prepare and analyze financial statements.</li> <li>Goal 4: Students will analyze financial transactions and understand their impact on the firm.</li> <li>Goal 5: Students will explain fundamental concepts of business law including torts, contracts, warranties, the Sales Article of the Uniform Commercial Code, agency, labor and employment law, and business ethics.</li> <li>Goal 6: Students will apply basic concepts of microand macroeconomics.</li> </ul>			
To what extent are these ob being achieved?	ojectives	All objectives are program formativ	being achieved, evic ve and summative as	lenced through course and sessments	
<b>Past Program Review A</b> What action was reported la the program was reviewed?	t Program Review Action t action was reported last time program was reviewed? The last review indicated a significant dip in enrollment due to District Office efforts to concentrate Business programs at Harold Washington College. Courses were revised at Daley to maintain a Business presence at the College with continued monitoring of enrollment encouraged to determine viability of the program				

data sets but summarize the data to comp may be attached. The review will be sent information is provided.	bletely answer the questions. Concise tables displaying this data back if any of the below fields are left empty or inadequate
List all pre-requisites for this program (courses, placement scores, etc.).	
Please list or attach all required courses (including titles) for completion of this program including institution required courses (e.g. student success, first year, general education requirements, etc.).	General Education Requirements 15 BUSINES111 - Introduction To Business 3 BUSINES141 - Business Mathematics 3 BUSINES181 - Financial Accounting 4 BUSINES182 - Managerial Accounting 4 BUSINES204 - Computer Applications Intermediate Accounting 1 BUSINES205 - Intermediate Accounting 3 BUSINES206 - Auditing 3 BUSINES208 - Federal Income Tax 3 BUSINES211 - Business Law I 3 BUSINES214 - The Legal & Social Environment of Business 3 BUSINES241 - Introduction To Finance 3 BUSINES250 - Computerized Accounting Systems 3 CIS120 - Introduction to Computer Applications 3 MATH118 - General Education Math 4 Three Courses from the following: BUSINES203 - Intro Cost Accounting 3 CIS123 - Microcomputer Spreadsheets 3 CIS145 - Database Management 3 CIS158 - Web Development I
Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	
INDICATOR 1: NEED	Response
INDICATOR 1: NEED 1.1 How strong is the occupational demand for the program?	<b>Response</b> Data from the Bureau of Labor and Statistics (BLS) suggests that the demand for the Associates Degree in Business related fields such as Accounting continues to grow. The BLS indicates an 11% growth from 2016 to 2026. https://www.bls.gov/emp/tables/education-summary.htm
INDICATOR 1: NEED         1.1 How strong is the occupational demand for the program?         1.2 How has demand changed in the past five years and what is the outlook for the next five years?	<b>Response</b> Data from the Bureau of Labor and Statistics (BLS) suggests that the demand for the Associates Degree in Business related fields such as Accounting continues to grow. The BLS indicates an 11% growth from 2016 to 2026. <u>https://www.bls.gov/emp/tables/education-summary.htm</u> Demand has changed because of District consolidation of the program at Harold Washington College. The program was then allowed to continue at Daley but the marketing for the latter was not effective

1.4 How are students recruited for this program?	Students are recruited through on campus recruitment events, off campus events such as high school fairs and community engagement events. Advertisements on CTA buses and neighborhood newspapers
1.5 Where are students recruited from?	Students are recruited from the surrounding Chicago neighborhoods, feeder high schools
1.6 Did the review of program need result in actions or modifications? Please explain.	No actions or modifications needed at this time
INDICATOR 2: Cost Effectiveness	Response
2.1 What are the costs associated with this program?	Faculty salaries and benefits; departmental expenditures; facilities cost of operation
2.2 How do costs compare to other programs on campus?	Costs for the program are a bit lower because the department is smaller and serves a smaller population
2.3 How is the college paying for this program and its costs (e.g. grants, etc.)?	Costs of the program are allocated in yearly budget
2.4 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? Please explain.	
· · · ·	
2.5 Did the review of program cost result in any actions or modifications? Please explain.	No resulting actions or modifications
2.5 Did the review of program cost result in any actions or modifications? Please explain. <b>INDICATOR 3: QUALITY</b>	No resulting actions or modifications       RESPONSE
<ul> <li>2.5 Did the review of program cost result in any actions or modifications? Please explain.</li> <li><i>INDICATOR 3: QUALITY</i></li> <li>3.1 What are the program's strengths?</li> </ul>	No resulting actions or modifications <b>RESPONSE</b> Instructor quality, commitment and qualifications. Student evaluations suggested a high level of satisfaction with overall program and content delivery.
<ul> <li>2.5 Did the review of program cost result in any actions or modifications? Please explain.</li> <li><i>INDICATOR 3: QUALITY</i></li> <li>3.1 What are the program's strengths?</li> <li>3.2 What are the identified or potential weaknesses of the program?</li> </ul>	No resulting actions or modifications <b>RESPONSE</b> Instructor quality, commitment and qualifications. Student evaluations suggested a high level of satisfaction with overall program and content delivery. Program size and growth
<ul> <li>2.5 Did the review of program cost result in any actions or modifications? Please explain.</li> <li><i>INDICATOR 3: QUALITY</i></li> <li>3.1 What are the program's strengths?</li> <li>3.2 What are the identified or potential weaknesses of the program?</li> <li>3.3 What are the delivery methods of this program? (e.g. traditional format/online/hybrid/teamteaching etc.)?</li> </ul>	No resulting actions or modifications          RESPONSE         Instructor quality, commitment and qualifications. Student         evaluations suggested a high level of satisfaction with overall         program and content delivery.         Program size and growth         Onsite, hybrid and online courses

3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	Federal tax preparation training available to those students who may be interested. Allows students to give back to the community in offering free tax preparation. Builds accounting and customer service skills
3.6 Are there dual credit opportunities? If so please list offerings and the associated high schools.	Business 111 Business 269 Offered at John F. Kennedy High School and William Bogan High School in Chicago
3.7 What work-based learning opportunities are available and integrated into the curriculum?	None at this time
3.8 Is industry accreditation required for this program (e.g. nursing)? If so, identify the accrediting body. Please also list if the college has chosen to voluntarily seek accreditation (e.g. automotive technology, NATEF).	N/A
3.9 Are industry-recognized credentials offered? If so, please list.	N/A
3.10 Is this an apprenticeship program? If so, please elaborate.	N/A
3.11 If applicable, please list the licensure examination pass rate.	
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	
3.13 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	Business program advisory board is currently being formed to assist with program quality and relevance
3.14 What is the faculty to student ratio for courses in this program? Please provide a range and average.	
3.15 What professional development or training is offered to adjunct and full time faculty that may increase the quality of this program?	Monthly departmental meetings, Faculty development week for FT faculty; Adjunct orientation at the beginning of each semester, Professional development opportunities for both FT and PT instructors at the beginning of each semester

3.16 What is the status of the technology and equipment us this program?	current ed for	Technology used in instruction is current in all classrooms program				srooms of this
3.17 What assessment metho used to ensure student succes	ds are ss?	Forn accr qua satis	Formative and summative assessments in line with institutional accreditation standards are being employed to ensure program quality, instructional quality, student preparedness, and studen satisfaction			
3.18 How satisfied are studen their preparation for employr	ts with nent?	Student satisfaction surveys indicated that the students are satisfied with the program regarding course offerings and co- curricular activities related to the program.			ents are gs and co-	
3.19 How is student satisfacti information collected?	on	By survey (institutional) near midterm By survey (instructor evaluation) at the end of term			L	
3.20 How are employers engathis program? (e.g. curriculum design, review, placement, we based learning opportunities)	ged in n ork-	Employers will be a part of the advisory board and will assist i program design, review, and placement opportunities		will assist in es		
3.21 How often does the prog advisory committee meet?	ram	The advisory committee is currently in development. Once the formation is complete, the committee will meet once a semester			it. Once the e a semester	
3.22 How satisfied are employ the preparation of the progra graduates?	yers in m's	n We currently do not have this information.				
3.23 How is employer satisfact information collected?	ction	N/A				
3.24 Did the review of progra quality result in any actions o modifications? Please explain	m r	The the How dete	creation of an a need to gauge er v that satisfactio ermined.	dvisory board fo nployer satisfac n information is	or the Business p tion with Daley collected will a	program and graduates. lso be
<b>DATA ANALYSIS FOR CTE PROGRAM REVIEW</b> Please complete for each program reviewed. Colleges may report aggregated data from the parent program or report on enrollment and completion data individually for each certificate within the program. Provide the				rent program m. Provide the		
CTE Program	BUSINES	s - A	CCOUNTING AA	S		
CIP Code	52.0301	1				
	YEAR.	1	YEAR 2	Year 3	YEAR 4	Year 5
Number of Students Enrolled	44		46	12	4	3
Number of Completers	4	_	6	2	1	N/A

Other (Please identify)						
How does the data support the program goals? Elaborate.	DATA INDICATES A SIGNIFICANT DECREASE IN ENROLLMENT DUE TO THE CONCENTRATION OF THE PROGRAM AT ANOTHER CITY COLLEGE. WHEN DALEY COLLEGE WAS ALLOWED TO CONTINUE WITH THE BUSINESS PROGRAM, THE EFFECTS WERE ALREADY BEING FELT. THE PROGRAM HAS STRUGGLED SINCE 2016 TO INCREASE IN ENROLLMENT BECAUSE OF THE LACK OF STRATEGY, PLANNING, AND IMPLEMENTATION OF IDEAS. BUDGET CONSTRAINTS HAVE LIMITED MARKETING OPPORTUNITIES					
What disaggregated data was reviewed?	Gender, Ethi	Gender, Ethnicity, Course success rates				
Were there gaps in the data? Please explain.	MALE STUDEN HAVE LOWER (	TS ARE NOT PER COURSE SUCCESS	FORMING AS WE RATES	LL AS FEMALE ST	TUDENTS –	
What is the college doing to overcome any identifiable gaps?	Continue to All lower pe	GROW ENROLLM RFORMING STUD	ENT AND BUILD ENTS.	IN ACADEMIC SU	PPORT FOR	
Are the students served in this program representative of the total student population? Please explain.	Yes, the students in the program are majority Latino, representing the overall population of Daley College					
Are the students served in this program representative of the district population? Please explain.	Yes, the students served in the program represent A growing Latino population in the district overall					
<b>Review Results</b>						
Action	□Continued with Minor Improvements □Significantly Modified - will continue with the program but will make significant changes to how the program is marketed internally and externally and forming the new Business Advisory Board will assist with program improvements that meet the needs of our industry partners □Placed on Inactive Status					
	Discontinued/Eliminated					
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	We believe, based on interest of high school students and increase in Business student prospects, that the program will grow. The College must, however, continue to invest in program marketing efforts to assist in the growth as well as constituency-building among business industry partners to build solid internship and student post-graduate employment opportunities					
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	<ul> <li>JULY 2019 – BUSINESS PROGRAM SUMMITT TO INCLUDE FT AND PT EDUCATORS, ADMINISTRATORS, CURRENT STUDENTS, AND ALUMNI OF THE PROGRAM TO DISCUSS THE CURRENT STATE AND NEXT STEPS</li> <li>SEPTEMBER 2019 – FIRST BUSINESS ADVISORY BOARD MEETING</li> </ul>					

Academic Disciplines				
College Name:	Richard J. Daley College			
FISCAL YEAR IN REVIEW:	2019			
Discipline Area:	Physical Sciences			
Complete this section to review the Acade this template fo	<b>REVIEW SUMMARY</b> mic Discipline as a whole. Use the Course Specific Review portion of or each course reviewed in the Discipline.			
<b>Program Objectives</b> What are the objectives/goals of the discipline?	Students can earn an Associates degree and/or take coursework in order to transfer to a 4-year college or university.			
To what extent are these objectives being achieved?	Evidence of meeting the objectives can be seen by looking at the AGS in Chemistry, AS and AES degree attainment. In addition, students transfer without receiving a degree. These students can also be tracked to see their success at the transfer institution.			
How does this discipline contribute to other fields and the mission of the college?	The department provides high-quality education that can meet the educational or career needs of our diverse student population.			
<b>Prior Review Update</b> Describe any quality improvements or modifications made since the last review period.	Hired a Full-time Engineering Instructor			
<b>REVIEW ANALYSIS</b> Complete the following fields and provide concise information where applicable. Please do not insert data sets but summarize the data to completely answer the questions. The review will be sent back if any of the below fields are left empty or inadequate information is provided.				
Indicator 1: Need	Response			

1.1 What mechanisms are in place to determine programmatic needs/changes for AA, AS, AFA, and AES academic programs? How are programmatic needs/changes evaluated by the curriculum review committee and campus academic leadership?	District-wide discipline meetings bring faculty together to foster discussions about the pathways leading to degree attainment. Any programmatic changes must go through the local and district-wide curriculum committee that includes oversight from both faculty and administrative representatives.
1.2 How are students informed or recruited for this program?	Meetings with college advisors, college recruiters, open houses, or faculty members.
INDICATOR 2: COST EFFECTIVENESS	Response
2.1 What are the costs associated with this discipline?	Laboratory supplies.
2.2 What steps can be taken to offer curricula more cost-effectively?	Conduct micro-scale experiments where possible. Incorporate experiments that use chemicals which do not need special waste collection.
2.3 Is there a need for additional resources?	There is no need for additional resources.
INDICATOR 3: QUALITY	Response
3.1 Are there any alternative delivery methods of this discipline? (e.g. online, flexible-scheduling, accelerated, team teaching, etc.)?	The department offers only face to face courses. Some courses are taught in 12 week or 8 week sessions. One course has been team taught to help train a new faculty member.
3.2 If the college delivers the course in more than one method, does the college compare success rates of each delivery method? If so, how?	Retention and overall grade distribution are compared for 16 week courses compared to the condensed courses.
3.3 What assessments does the discipline use to measure full-time and adjunct instructor performance in the classroom?	Faculty are assessed through student and peer evaluations.

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3.4 How does the discipline identify and support at-risk students?		Students are identified by faculty during the early alert campaign. Faculty identify students at risk and attempt to create a mediation plan for improvement. The system then sends this information to both the student and a college advisor. The college advisor follows-up with the student to determine a plan of action. The college offers free tutoring services in the disciplines and faculty hold office hours for student questions.		
3.5 To what extent is the discipline integrated with other instructional programs and services?		The discipline has two college advisor liaisons that learn the course sequences and how to identify students for specific tracks. Tutoring is extensively used by students in the discipline.		
3.6 What does the discipline or department review when developing or modifying curriculum?		Current trends in education inform curriculum, as well as alignment with our 4-year transfer partners. Courses align with the Illinois Articulation Initiative when applicable.		
3.7 When a course has low retention and/or success rates, what is the process to address these issues?		Faculty review course prerequisites to ensure base knowledge is learned. Faculty also review the content of the course to ensure content matches learning outcomes. Finally, faculty work with academic support services to Integrate support services.		
LIST ANY BARRIERS ENCOUNTERE	D WHIL	E IMPLEMENTING THIS DISCIPLINE.		
Student test scores in math are often below college level. This is difficult for students who may be interested in a physical science degree, AS or AES. In order to become successful, the student must reach Calculus 1 to qualify for certain courses in the discipline.				
DATA ANALYSIS FOR ACADEMIC DISCIPLINES				
Please complete for <b>each Cou</b>	Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.			
Academic Discipline Area	Physi	CAL SCIENCE		
Course Title	Снем	ISTRY 121		
<b>COURSE DESCRIPTION</b> Principles of general inorganic chemistry, including properties of matter, dimensional analysis, fundame				

	stoichiometry, interpretation of the periodic table, nomenclature and introduction to solution chemistry and commonly used concentration units. Writing assignments, as appropriate to the discipline, are part of the course.				
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Number of Students Enrolled	385	323	312	303	294
Credit Hours Produced	1588	1316	1280	1276	2650
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	66%	69%	63%	50%	51%
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	P1 902L	P1 902L	P1 902L	P1 902L	P1 902L
How does the data support the course goals? Elaborate.	THE LAST FEW YEARS SHOW A DECLINE IN BOTH ENROLLMENT AND SUCCESS RATE OF THE COURSE. THIS DATA DOES NOT SUPPORT THE DEPARTMENTS GOAL FOR THE COURSE.				
WHAT DISAGGREGATED DATA WAS REVIEWED?	No				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A				
ŀ	CADEMIC C	OURSE <b>R</b> EVIE	W RESULTS		
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	DISAGGREGATE THE DATA TO TRY AND DRAW BETTER CONCLUSIONS ON THE CHANGE IN SUCCESS RATE FOR THE COURSE – COMPLETED BY MAY 2020.				
Rationale Provide a brief summary of the review findings and a rationale for any future modifications.	A drop in over 10% success rate is of concern and needs to be investigated.				
Resources Needed	DISAGGREGA	ATED DATA FR	OM INSTITUT	IONAL RESEA	RCHER.
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	ibility ponsible for g or implementing cations?INSTITUTIONAL RESEARCHER TO DISAGGREGATE THE DATA.				
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.					

Academic Discipline Area	PHYSICAL S	Physical Science						
Course Titl.	E CHEMISTRY	Chemistry 201						
Course Description	Topics inclusion basic concern compound basic concern basic concern bases. Wri part of the	Topics include the periodic table of the elements, atomic structure, basic concepts of quantum theory, bonding, stoichiometry of compounds and reactions, thermochemistry, the gaseous state, basic concepts of the liquid and solid states, solutions, acids, and bases. Writing assignments, as appropriate to the discipline, are part of the course.						
	YEAR 1	YEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5						
Number of Students Enrolled	194	194 186 128 101 142						
CREDIT HOURS PRODUCED	1015	955	655	520	725			
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	70%	71%	75%	78%	73%			
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	P1 902L CHM91 1	P1         P1<						
How does the data support the course goals? Elaborate	SUCCESS I This is im COURSE.	SUCCESS RATE AND ENROLLMENT ARE RELATIVELY STEADY. This is important for a first semester core science course						
WHAT DISAGGREGATED DATA WAS REVIEWED?	No	No						
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A							
	Academic C	OURSE <b>R</b> EVIE	W <b>R</b> ESULTS					
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	N/A							
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	N/A							
Resources Needed	N/A							

<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	N/A					
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.						
Academic Discipline Are.	A PHYSICAL SCIENCE					
Course Titl	E CHEMISTRY	203				
Course Description	Topics include equilibrium, acid-base equilibria, solubility equilibria, kinetics, thermodynamics, electrochemistry, coordination compounds, nuclear chemistry and descriptive topics in organic chemistry. Writing assignments, as appropriate to the discipline, are part of the course.					
	YEAR 1	YEAR 2	Year 3	Year 4	Year 5	
Number of Students Enrolled	29	31	26	15	5	
CREDIT HOURS PRODUCED	145 155 130 75 25					
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	<sup>3</sup> 62% 81% 77% 80% 60%					
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	CHM91         CHM912         CHM912         CHM912         CHM912           2         CHM912         CHM912         CHM912         CHM912					
How does the data support the course goals? Elaborate	SHARP DE	CLINE IN ENR	OLLMENT IS (	DF CONCERN.		
WHAT DISAGGREGATED DATA WAS REVIEWED?	No					
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A					
	Academic C	OURSE REVIE	W RESULTS			
Intended Action Steps Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates. Rationale Provide a brief summary of the review findings and a rationale for any future modifications.	SURVEY CHEM 201 STUDENTS TO SEE IF THERE IS A NEED FOR CHEM 203 AND WHY THEY MIGHT NOT BE TAKING IT AT DALEY – COMPLETE BY MAY 2020. THE ENROLLMENT IN THE COURSE HAS DROPPED IN THE LAST TWO YEARS.					

Resources Needed	OFFICE OF I	NSTRUCTION	FOR HELP SUR	VEYING STUD	ENTS.	
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Physical Science department faculty. Office of Instruction.					
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available						
Academic Discipline Area	A PHYSICAL S	Science				
Course Titl	E CHEMISTRY	212				
Course Description	Survey of organic chemistry, including nomenclature and reactions of major functional groups essential to biochemistry. An introduction to the structure and function of biomolecules, and the metabolism of proteins, lipids, and carbohydrates. Writing assignments, as appropriate to the discipline, are part of the course.					
	YEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5					
Number of Students Enrolled	0 22 <u>13</u> 0 0					
CREDIT HOURS PRODUCED	0	88	<i>52</i>	0	0	
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	<sup>3</sup> 0	64%	62%	0	0	
IAI Status (list code) or Form 13 Status (list signature dates and institutions)						
How does the data support the course goals? Elaborate	SUCCESS F OFFERED.	RATES ARE LO COURSE NOT	W FOR THE YE OFFERED EVE	EARS THE COU ERY YEAR.	RSE WAS	
WHAT DISAGGREGATED DATA WAS REVIEWED?	No					
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A					
	Academic C	OURSE REVIE	W RESULTS			
Intended Action Steps         Please detail action steps to         be completed in the future         based on this review with a         timeline and/or anticipated         dates.						

<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	The course has only been offered 2 out of the 5 year review window. Of those years, success rates have been lower than department would like.						
Resources Needed	OFFICE OF INSTRUCTION FOR HELP SURVEYING THE STUDENTS.						
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Physical Science department faculty. Office of Instruction.						
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.							
Academic Discipline Are	A PHYSICAL S	CIENCE					
Course Titl	URSE TITLE PHYSICAL SCIENCE 101						
Course Description	<ul> <li>Introduction to the scientific method, astronomy, geology,</li> <li>oceanography, and meteorology. Writing assignments, as</li> <li>appropriate to the discipline, are part of the course.</li> </ul>						
	YEAR 1	Year 2	YEAR 3	YEAR 4	Year 5		
Number of Students Enrolled	301	128	164				
Credit Hours Produced	936	183	321	390	504		
Success Rate (% C or better) at the end of the course, excludin Withdrawals and Audit students	67%	87%	72%	74%	55%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	P9 900	P9 900	P9 900	P9 900	P9 900		
How does the data support the course goals? Elaborate	DATA SHO	WS ACTIVE EI ATE.	NROLLMENT E	BUT LARGE VA	RIATION IN		
WHAT DISAGGREGATED DATA WAS REVIEWED?	No						
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A						
	Academic C	ourse Revie	W RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a	Review and success rat	D DISAGGREGA TE – COMPLET	TE DATA TO I TE BY <b>M</b> AY <b>20</b>	DETERMINE V D <b>20</b> .	ARIATION IN		

timeline and/or anticipated dates.							
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	ENROLLMENT HAS BEEN RELATIVELY STEADY FOR THE COURSE CONSIDERING IT COMPETES WITH OTHER GEN ED PHY SCI COURSES. THE SUCCESS RATES HAVE SIGNIFICANTLY VARIED AND SHOULD BE COMPARED TO OTHER GEN ED COURSES.						
Resources Needed	Institutional Researcher for data						
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Physical Science department faculty. Institutional Researcher.						
DAT	ra Analysis	FOR ACADEM	IIC DISCIPLIN	IES			
Please complete for <b>each co</b>	ourse reviewe longit	d in the Academ udinal data avai	c Discipline. Pro able.	ovide the most r	ecent 5 year		
Academic Discipline Are	A PHYSICAL S	Science					
Course Titl	TLE PHYSICAL SCIENCE 111						
Course Descriptio	<ul> <li>Introduct</li> <li>oceanogra</li> <li>appropria</li> </ul>	Introduction to the scientific method, astronomy, geology, oceanography, and meteorology. Writing assignments, as appropriate to the discipline, are part of the course.					
YEAR 1 YEAR 2 YEAR 3 YEAR 4							
Number of Students Enrolled	11	130	110	105	89		
CREDIT HOURS PRODUCED	44	524	448	424	360		
Success Rate (% C or better) at the end of the course, excludin Withdrawals and Audit students	<i><sup>G</sup> 50%</i>	71%	77%	90%	81%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	P1 905L	P1 905L	P1 905L	P1 905L	P1 905L		
How does the data support the course goals? Elaborate	DATA SHO	DWS ACTIVE EI RATE.	NROLLMENT I	BUT LARGE VA	RIATION IN		
WHAT DISAGGREGATED DATA WAS REVIEWED?	No						
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A						
	Academic C	COURSE REVIE	W RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future	Review And Success RA	D DISAGGREGA TE – COMPLET	TE DATA TO TE BY MAY 20	DETERMINE V D <b>20.</b>	ARIATION IN		

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based on this review with a timeline and/or anticipated dates.							
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	ENROLLMENT HAS BEEN RELATIVELY STEADY FOR THE COURSE CONSIDERING IT COMPETES WITH OTHER GEN ED PHY SCI COURSES. THE SUCCESS RATES HAVE SIGNIFICANTLY VARIED AND SHOULD BE COMPARED TO OTHER GEN ED COURSES.						
Resources Needed	Institutional Researcher for data						
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Physical Science department faculty. Institutional Researcher.						
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.							
Academic Discipline Are.	A PHYSICAL SCIENCE						
Course Titl	Е PHYSICS 215						
Course Description	<b>ON</b> Rigid bodies, fluid statics, friction, moments of inertia, centroids, and virtual work. Writing assignments, as appropriate to the discipline, are part of the course.						
	YEAR 1	Year 2	Year 3	YEAR 4	Year 5		
Number of Students Enrolled	10	11	14	24	17		
CREDIT HOURS PRODUCED	30	33	42	72	51		
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	50%	64%	85%	79%	71%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	EGR94 2	EGR942	EGR942	EGR942	EGR942		
How does the data support the course goals? Elaborate	ENROLLM This supp	ENT AND SUC PORTS THE CO	CESS RATE HA URSE GOALS.	IVE BEEN INC	REASING.		
WHAT DISAGGREGATED DATA WAS REVIEWED?	DISAGGRE	GATED DATA	WAS NOT REV	VIEWED.			
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A						
	Academic C	OURSE REVIE	W RESULTS				
Intended Action Steps	No intendi Course suc	ED ACTION ST CESS RATES A	EPS ARE IDEN RE IN LINE W	TIFIED AT TH	IS TIME. EL OF		

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Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	ENGINEERING COURSEWORK. ENROLLMENT EFFORTS ARE UNDERWAY BY INCREASING AWARENESS OF PROGRAM AND TRANSFER OPPORTUNITIES.						
Rationale Provide a brief summary of the review findings and a rationale for any future modifications.	ENROLLMENT INCREASE IS A DESIRED OUTCOME, AS WELL AS CONTINUED PARTNERSHIP WITH STUDENT SUPPORT SERVICES.						
Resources Needed	Enrollmen	NT MANAGER	AND DEPARTM	IENT COLLAB	ORATION.		
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	ENROLLMENT AND FACULTY.						
DAT Please complete for <b>each co</b>	DATA ANALYSIS FOR ACADEMIC DISCIPLINES						
Please complete for <b>each co</b>	longit	udinal data avai	lable.	ovide the most r	ecent 5 year		
Academic Discipline Area	PHYSICAL S	Physical Science					
Course Titl	PHYSICS 216						
Course Description	<ul> <li>Problems in kinematics, dynamics of a particle and a system of particles, dynamics of a rigid body, work, energy, small oscillations, and general plane motion. Writing assignments, as appropriate to the discipline, are part of the course.</li> </ul>						
	YEAR 1	Year 2	YEAR 3	Year 4	Year 5		
Number of Students Enrolled	12	7	10	12	13		
CREDIT HOURS PRODUCED	36	21	30	36	39		
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	42%	42%	40%	75%	23%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	EGR94 3	EGR943	EGR943	EGR943	EGR943		
How does the data support the course goals? Elaborate	ENROLLM SUCCESS R	ENT IS STEAD ATE IS REPOR	Y BUT SIGNIF RTED OVER TH	ICANT VARIAT E YEARS.	TION IN		
WHAT DISAGGREGATED DATA WAS REVIEWED?	No						
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A						
Academic Course Review Results							

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<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	INTEGRATE SUPPORT SERVICES INTO THE COURSE – MAY 2020						
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	Success rate is low and integrating tutoring and other support services might help increase the success rate.						
Resources Needed	No additio	NAL RESOURC	SES ARE NEED	ED.			
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Department faculty.						
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.							
Academic Discipline Are.	PHYSICAL SCIENCE						
Course Titl.	E PHYSICS 21	17					
Course Description	Study of ela deformable tension and buckling, re Writing assi course.	stic and inelastic bodies. Includes compression, to peated loads, im ignments, as app	c relationships o s stresses and de orsion and bendi pact, and influe propriate to the o	f external forces formations pro ng, combined st nce of propertie discipline, are pa	s acting on duced by cresses, s of materials. art of the		
	YEAR 1	YEAR 2	Year 3	YEAR 4	Year 5		
Number of Students Enrolled	9	9	12	16	14		
CREDIT HOURS PRODUCED	27	27	36	48	42		
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	78%	67%	83%	75%	86%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	EGR94 5	EGR945	EGR945	EGR945	EGR945		
How does the data support the course goals? Elaborate	ENROLLM This supp	ENT AND SUC PORTS THE CO	CESS RATE HA URSE GOALS.	VE BEEN INC.	REASING.		
WHAT DISAGGREGATED DATA WAS REVIEWED?	No						

WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.		N/A				
	A	CADEMIC <b>C</b>	OURSE REVIE	W RESULTS		
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	T R L	The department is pleased with the course success rates and student outcomes of this course. Enrollment ncrease is a top priority.				
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	S C P	SLIGHT DECLINE IN ENROLLMENT IN THE ENGINEERING COURSES HAS LED TO ENROLLMENT EFFORTS TO BE A TOP PRIORITY OF THE DEPARTMENT AND COLLEGE.				
Resources Needed	E	ENROLLMEN	IT MANAGER (	ALREADY IN	PLACE)	
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	ENROLLMENT, FACULTY.					
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.						
Academic Discipline Are	A	Physical S	CIENCE			
Course Titl	E	PHYSICS 22	21			
Course Descriptio	N	Foundations mechanics w the disciplin	s and concepts in wave motion and he, are part of the	n Physics, includ l heat. Writing a e course.	ling elementary ssignments, as a	problems in appropriate to
		Year 1	Year 2	Year 3	YEAR 4	Year 5
Number of Students Enrolled		19	14	18	12	10
CREDIT HOURS PRODUCED		95	70	90	60	50
Success Rate (% C or better) at the end of the course, excludin Withdrawals and Audit students	G	79%	86%	94%	58%	70%
IAI Status (list code) or Form 13 Status (list signature dates and institutions)		P1 900L	P1 900L	P1 900L	P1 900L	P1 900L
How does the data support the course goals? Elaborate	Ξ.	Enrollm This supp	ENT AND SUC PORTS THE CO	CESS RATE HA URSE GOALS.	VE BEEN INC.	REASING.
WHAT DISAGGREGATED DATA WAS REVIEWED?		No				

WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A								
	Academic Course Review Results								
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	No further action is determined at this time.								
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	N/A								
Resources Needed	N/A								
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	ng N/A								
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year									
Academic Discipline Area	PHYSICAL S	Science							
Course Titl	F PHYSICS 22	22							
Course Description	Continuatio Modern Phy appropriate	n of Physics 221 vsics using an alg to the discipling	. Exploration of gebra based app e, are part of the	Electromagneti roach. Writing a course.	sm, Light and ssignments, as				
	YEAR 1	YEAR 2	Year 3	YEAR 4	YEAR 5				
Number of Students Enrolled	24	7	18	Not offered	8				
CREDIT HOURS PRODUCED	120	35	90		40				
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	<sup>r</sup> / <sub>G</sub> 92% 86% 94% 63%								
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	P1 900L	P1 900L	P1 900L		P1 900L				
How does the data support the course goals? Elaborate	ENROLLM THE 5 YEA	ENT AND SUC	CESS RATE HA D DOES NOT M	VE FLUCTUAT MEET THE COU	TED OVER JRSE GOALS.				

WHAT DISAGGREGATED DATA WAS REVIEWED?	None							
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A							
Academic Course Review Results								
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	Determine if Physics 222 is a viable course by surveying students in Physics 221 and other allied health courses – May 2020							
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	ENROLLMENT IS BASED ON ENROLLMENT IN PHYSICS 221 AND DEMAND OF THE NON-CALCULUS BASED COURSES.							
Resources Needed	Help with survey from Office of Instruction							
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	DEPARTMENT FACULTY OFFICE OF INSTRUCTION							
<b>DAT.</b> Please complete for <b>each co</b> t	A ANALYSIS I <b>TSE</b> reviewed longit	FOR ACADEM d in the Academi udinal data avai	<b>IIC DISCIPLIN</b> ic Discipline. Pro lable.	<b>VES</b> povide the most re	ecent 5 year			
Academic Discipline Area	Physical S	Science						
Course Title	PHYSICS 23	85						
Course Description	Exploration analyze prac appropriate	of the laws of m ctical and theore to the discipline	echanics and wa etical problems. e, are part of the	ave motion usin Writing assignm course.	g calculus to ients, as			
	YEAR 1	YEAR 2	Year 3	YEAR 4	Year 5			
Number of Students Enrolled	43	45	31	35	41			
CREDIT HOURS PRODUCED	225	225	175	190	245			
SUCCESS RATE (% C OR BETTER) AT THE END OF THE COURSE, EXCLUDING WITHDRAWALS AND AUDIT STUDENTS	56%	53%	54%	42%	38%			
IAI Status (list code) or Form 13 Status (list signature dates and institutions)	Рнү911	Рнү911	Рнү911	Рнү911	Рнү911			
How does the data support the course goals? Elaborate.	ENROLLM DECLININ	ENT IS STEAD G.	Y BUT SUCCES	SS RATE HAS E	BEEN			

WHAT DISAGGREGATED DATA WAS REVIEWED?		No							
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.		N/A							
	Academic Course Review Results								
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	D D	DISAGGREGATE THE DATA TO LOOK FOR A TREND IN DECREASING SUCCESS RATE – MAY 2020.							
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	A	A drop in the success rate of over $10\%$ is of concern.							
Resources Needed	D	DISAGGREGATED DATA FROM INSTITUTIONAL RESEARCHER							
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	INSTITUTIONAL RESEARCHER TO DISAGGREGATE THE DATA. Department faculty to review data.								
<b>D</b> AT Please complete for <b>each co</b>	TA DU	ANALYSIS rse reviewed longit	FOR ACADEM d in the Academi udinal data avai	<b>TIC DISCIPLIN</b> ic Discipline. Pro lable.	I <b>ES</b> ovide the most r	ecent 5 year			
Academic Discipline Are.	A	PHYSICAL S	Science						
Course Titl	E	PHYSICS 23	86						
Course Description	N	Exploration and energy lecture and discipline, a	of electricity an using calculus to laboratory. Writ re part of the co	d magnetism as analyze theore ing assignments urse.	they relate to fi- tical and practic s, as appropriate	elds, forces al problems in e to the			
		YEAR 1	YEAR 2	Year 3	YEAR 4	YEAR 5			
Number of Students Enrolled		39	41	39	38	38			
CREDIT HOURS PRODUCED	200 205 195 195 190								
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	<sup>G</sup> 73% 83% 74% 77% 79%								
IAI STATUS (LIST CODE) OR FORM 13 STATUS (LIST SIGNATURE DATES AND INSTITUTIONS)		Рнү912	Рнү912	Рнү912	Рнү912	Рнү912			

How does the data support the course goals? Elaborate	ENROLLM	ENROLLMENT AND SUCCESS RATE HAVE BEEN STEADY.				
WHAT DISAGGREGATED DATA WAS REVIEWED?	No	No				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A					
Academic Course Review Results						
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	No furthe	R ACTION IS N	EEDED AT TH	IS TIME.		
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	N/A	N/A				
Resources Needed	N/A					
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	N/A					
<b>D</b> A Please complete for <b>each co</b>	TA ANALYSIS OUTSE reviewed longit	FOR ACADEM d in the Academ udinal data avai	<b>IIC DISCIPLIN</b> ic Discipline. Pro lable.	I <b>ES</b> ovide the most r	ecent 5 year	
Academic Discipline Are	A PHYSICAL S	Science				
Course Titl	E PHYSICS 23	37				
Course Descriptio	<ul> <li>Exploration</li> <li>practical an assignments</li> </ul>	of the laws of h d theoretical pro s, as appropriate	eat, light, and mo oblems through e to the disciplin	odern physics a the use of calcul e, are part of the	nd analysis of us. Writing e course.	
	Year 1	Year 2	Year 3	Year 4	Year 5	
Number of Students Enrolled	17	21	Not Offered	5	9	
CREDIT HOURS PRODUCED	85	105		25	45	
Success Rate (% C or better) at the end of the course, excludin Withdrawals and Audit students	Success Rate (% C or better) at The end of the course, excluding Withdrawals and Audit Students					

IAI STATUS (LIST CODE) OR FORM 13 STATUS (LIST SIGNATURE DATES AND INSTITUTIONS)						
How does the data support the course goals? Elaborate.	ENROLLM TRANSFER SUPPORT	ENT HAS DRO RABILITY OF T THE COURSE (	PPED DUE TO HE COURSE. T GOALS.	CHANGES IN HE DATA DOB	ES NOT	
WHAT DISAGGREGATED DATA WAS REVIEWED?	None					
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A	N/A				
A	CADEMIC C	OURSE REVIE	W RESULTS			
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	Determine taking Phy taking 237	THE VIABILIT SICS <b>235</b> ANI AND IF IT WI	TY OF THE COU D <b>236</b> TO SEE LL TRANSFER	URSE. SURVEY THEIR INTEN CREDITS – M	Y STUDENTS IT OF IAY 2020.	
Rationale Provide a brief summary of the review findings and a rationale for any future modifications.	THE COURSE ONLY SERVES A SMALL PORTION OF STUDENTS. Alternate courses are being developed that might align better with receiving institutions.					
Resources Needed	Help with survey from Office of Instruction					
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	DEPARTMENT FACULTY OFFICE OF INSTRUCTION					
DAT.	A ANALYSIS	FOR ACADEM	IIC DISCIPLIN	IES	a cont E woon	
Please complete for <b>each co</b>	longit	udinal data avai	lable.	bvide the most r	ecent 5 year	
Academic Discipline Area	PHYSICAL SCIENCE					
Course Title	ASTRONOM	Y <b>201</b>				
Course Description	<ul> <li>Descriptive survey of major astronomical facts, concepts, and relationships, starting with the solar system and extending to stars, galaxies, and cosmogonies. Writing assignments, as appropriate to the discipline, are part of the course.</li> </ul>					
	YEAR 1	YEAR 2	Year 3	YEAR 4	Year 5	
Number of Students Enrolled	222	191	116	110	131	
CREDIT HOURS PRODUCED	696	579	351	339	393	

Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	53%	67%	74%	67%	81%
IAI STATUS (LIST CODE) OR FORM 13 STATUS (LIST SIGNATURE DATES AND INSTITUTIONS)	P1 906	P1 906	P1 906	P1 906	P1 906
How does the data support the course goals? Elaborate	SUCCESS F MEETS TH	RATES HAVE E E COURSE GO	EEN INCREAS ALS.	ING AND THE	REFORE
WHAT DISAGGREGATED DATA WAS REVIEWED?	None				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A				
	Academic C	OURSE REVII	EW RESULTS		
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	No action i	IS IDENTIFIEI	)		
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	N/A				
Resources Needed	N/A				
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	N/A				
DAT	DATA ANALYSIS FOR ACADEMIC DISCIPLINES				
Please complete for <b>each co</b>	longit	udinal data avai	lable.	bvide the most r	ecent 5 year
Academic Discipline Are.	A PHYSICAL S	CIENCE			
Course Titl	E ENG 111:	INTRO TO THE	Engineering F	PROFESSION	
COURSE DESCRIPTIONHistory of engineering profession, engineer's role in a technological society, his/her work, and the relationship of engineering to other professions. Includes study of general and related areas, ethics and responsibility of engineers and guidance. Writing assignments, as appropriate to the discipline, are part of the course.				ological o other nics and nts, as	
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5

Number of Students Enrolled	13	29	50	68	71	
CREDIT HOURS PRODUCED	26	58	100	136	150	
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	92%	62%	68%	71%	45%	
IAI Status (list code) or Form 13 Status (list signature dates and institutions)						
How does the data support the course goals? Elaborate	ENROLLM GOALS. T. A CONCER	ENROLLMENT HAS INCREASED AND SUPPORTS THE COURSE GOALS. THE DECREASE IN COURSE SUCCESS RATE IS YEAR 5 IS A CONCERN AND DOES NOT SUPPORT COURSE GOALS.				
WHAT DISAGGREGATED DATA WAS REVIEWED?	None					
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A	N/A				
	Academic Course Review Results					
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	DETERMINE, THROUGH DESEGREGATED DATA THE REASON FOR DECREASE IN COURSE SUCCESS RATE IN YEAR 5. DATA TO BE ANALYZES BY MAY 2020.					
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	WORK WITH INSTITUTIONAL RESEARCH, OFFICE OF INSTRUCTION, AND DEPARTMENT FACULTY TO ANALYZE DATA AND DETERMINE IF CHANGES ARE NEEDED TO INCREASE COURSE SUCCESS RATES.					
Resources Needed	INSTITUTIONAL RESEARCH, OFFICE OF INSTRUCTION, FACULTY.				, FACULTY.	
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Department faculty					
DATA ANALYSIS FOR ACADEMIC DISCIPLINES						
Please complete for <b>each co</b>	urse reviewed longit	d in the Academ udinal data avai	ic Discipline. Pro lable.	ovide the most r	ecent 5 year	
Academic Discipline Area	PHYSICAL S	SCIENCE				
Course Titli	ENG 131:	Engineering (	GRAPHICS & IN	TRO TO DESIGN		
Course Description	Graphics, bo Introduction	Graphics, both manual and computer-aided drafting and design. Introduction to design techniques in graphics and multi-view drawing.				

	auxiliary views, selecting, tolerance dimensioning, and technical sketching. Writing assignments, as appropriate to the discipline, are part of the course.				
	YEAR 1	Year 2	Year 3	YEAR 4	Year 5
Number of Students Enrolled	9	9	25	33	71
CREDIT HOURS PRODUCED	27	27	75	99	150
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	89%	56%	84%	70%	45%
IAI Status (list code) or Form 13 Status (list signature dates and institutions)					
How does the data support the course goals? Elaborate.	<b>ENROLLMENT IS INCREASING AND SUPPORTS THE COURSE</b> GOALS.				
WHAT DISAGGREGATED DATA WAS REVIEWED?	None				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A				
A	CADEMIC C	ourse Revie	W RESULTS		
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	Determine reason for decline in course success rates for year 5. Data will be desegregated and analyzed by May 2020.				
Rationale Provide a brief summary of the review findings and a rationale for any future modifications.	DECREASE IN COURSE SUCCESS RATE DOES NOT SUPPORT PROGRAM GOALS; DATA WILL DETERMINE FUTURE DIRECTION OF THE COURSE, ANY SUPPORTS NEEDED OR COURSE CHANGES NEEDED.				
Resources Needed	INSTITUTIONAL RESEARCHER, FACULTY, OFFICE OF INSTRUCTION.				
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Department faculty.				

<b>D</b> AT Please complete for <b>each co</b>	<b>TA ANALYSIS</b> D <b>UTSE</b> reviewed longit	FOR ACADEM d in the Academ udinal data avai	<i>AIC DISCIPLIN</i> ic Discipline. Pro lable.	<b>VES</b> ovide the most 1	recent 5 year	
Academic Discipline Area	A PHYSICAL S	Science				
Course Titl.	E ENG 190:	Computer Ap	PLICATIONS IN <b>I</b>	Engineering		
Course Description	FORTRAN o languages s problems en as appropri	FORTRAN or C with emphasis in engineering and scientific programming languages such as FORTRAN and APT with emphasis on engineering problems encountered in design and manufacturing. Writing assignments, as appropriate to the discipline, are part of the course.				
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	
Number of Students Enrolled	16	23	9	17	15	
CREDIT HOURS PRODUCED	48	69	27	51	45	
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	69%	35%	44%	53%	33%	
IAI Status (list code) or Form 13 Status (list signature dates and institutions)						
How does the data support the course goals? Elaborate	SUCCESS I COURSE G	SUCCESS RATES HAVE DECREASED AND DO NOT MEET THE COURSE GOALS.				
WHAT DISAGGREGATED DATA WAS REVIEWED?	None					
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A	N/A				
Academic Course Review Results						
Intended Action Steps Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	Review course curriculum and make sure it is relevant – May 2020.					
Provide a brief summary of the review findings and a rationale for any future modifications.	Determine Students A	Determine if the course curriculum is relevant to the Students and accepted by transfer institutions.				

Resources Needed	None, this is a function of the department.				
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Department Faculty				
<b>DAT</b> Please complete for <b>each co</b>	TA ANALYSIS OUTSE reviewed longitu	FOR ACADEN I in the Academ Idinal data avai	<b>IIC DISCIPLIN</b> ic Discipline. Pro lable.	<b>ES</b> vide the most re	ecent 5 year
Academic Discipline Area	A PHYSICAL S	CIENCE			
Course Titl	E ENG 215: .	Electrical Ci	RCUIT ANALYSIS	5	
Course Description	<ul> <li>Basic electric circuits, Nodal and Mesh analysis. Voltage and current laws, circuit analysis techniques and superposition. Operational amplifiers. RL,</li> <li>RC, and RLC circuits. Frequency response, resonance, AC power analysis. Writing assignments, as appropriate to the discipline are part of the course.</li> </ul>				
	YEAR 1	Year 2	YEAR 3	YEAR 4	Year 5
Number of Students Enrolled	Not Offered	Not Offered	Not Offered	10	8
CREDIT HOURS PRODUCED				50	40
Success Rate (% C or better) at the end of the course, excluding Withdrawals and Audit students	3			90%	88%
IAI Status (list code) or Form 13 Status (list signature dates and institutions)					
How does the data support the course goals? Elaborate	<i>Course just reactivated and the data does support</i> <i>The course goals.</i>				
WHAT DISAGGREGATED DATA WAS REVIEWED?	None				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A				
Academic Course Review Results					
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	No action s	STEPS NEEDE	D.		

<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	N/A					
Resources Needed	N/A					
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	N/A					
DA	TA ANALYSIS	FOR ACADEM	AIC DISCIPLIN	ES		
Please complete for <b>each co</b>	ourse reviewed longitu	d in the Academ udinal data avai	ic Discipline. Pro lable.	vide the most r	ecent 5 year	
Academic Discipline Are	A PHYSICAL S	CIENCE				
Course Titl	E ENG 250: Engineering Projects					
Course Descriptio	<ul> <li>Projects of experimental and analytical nature to stimulate creativity;</li> <li>recommended scheduling and integrating subject material with selected engineering courses. Writing assignments, as appropriate to the discipline, are part of the course.</li> </ul>					
	YEAR 1	Year 2	YEAR 3	YEAR 4	Year 5	
Number of Students Enrolled	Not Offered	7	Not Offered	7	7	
Credit Hours Produced	14 14 14				14	
Success Rate (% C or better) at the end of the course, excludin Withdrawals and Audit students	<sup>7</sup> 71% 100% 100%				100%	
IAI Status (list code) or Form 13 Status (list signature dates and institutions)						
How does the data support the course goals? Elaborate	DATA DOES SUPPORT COURSE GOALS OF SUCCESS RATE.					
WHAT DISAGGREGATED DATA WAS REVIEWED?	None					
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	N/A					
	Academic Course Review Results					
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a	ended Action Steps         se detail action steps to         pompleted in the future         d on this review with a    THE COLLEGE AND DEPARTMENT WOULD LIKE TO SEE			E RKETING		

timeline and/or anticipated dates.	AND HIGH SCHOOL OUTREACH INCREASING IN THE 2019/2020 ACADEMIC YEAR.
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	THERE HAS BEEN NO INCREASE IN ENROLLMENT PER THE DATA.
Resources Needed	Enrollment manager, college recruiters, faculty outreach.
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	ENROLLMENT MANAGER.

Aca	demic Disciplines
College Name:	Richard J. Daley College
Fiscal Year in Review:	2019
Discipline Area:	Life Sciences
Complete this section to review the Acade this template fo	<b>REVIEW SUMMARY</b> mic Discipline as a whole. Use the Course Specific Review portion of or each course reviewed in the Discipline.
<b>Program Objectives</b> What are the objectives/goals of the discipline?	<ul> <li>Establish and maintain courses that develop in students a solid foundation of scientific information, as well as problem-solving and decision-making skills These skills will enable students to advance to health-related programs, transfer to baccalaureate programs, and become informed members of the community</li> <li>Provide a classroom environment for student growth and maturity in the areas of oral and written scientific communication, independent and collaborative learning, and critical thinking</li> <li>Provide opportunities for students to utilize current technologies in the classroom</li> <li>Ensure that students gain a deeper appreciation of careers that utilize biology and the importance of biology in everyday life.</li> </ul>

To what extent are these objectives being achieved?	<ul> <li>Bio 205 (Pathophysiology) was developed in 2014, was reactivated in 2019, due to specific needs of students who are transferring to baccalaureate programs such nursing, physician assistant programs, and other allied health programs.</li> <li>Assessments of specific student learning outcomes are performed for certain courses every semester, namely: Bio 121, 226,227, and Micro 233 to determine comprehension and critical thinking skills of students. These are administered usually after mid-term. The results of these assessments are discussed during department meetings.</li> <li>The department regularly assess the classrooms resources used such as textbooks, lab manuals, and others to ensure that departments objectives are being achieved</li> <li>Students are encouraged to work in groups, brainstorm problems together to encourage teamwork, problemsolving- and critical-thinking skills. These are especially evident in the laboratory courses where the instructor acts as a facilitator and a guide.</li> <li>Current, effective and appropriate technologies are used in the classroom to engage students and to make learning easier. These include Smart Board, YouTube, Power Point, online study tools. Google, laptops, mobile devices.</li> <li>Instructors embed real-life examples in their teaching so the students can connect what they are learning to their daily lives</li> <li>Providing health-care scenario in courses such as Medical Terminology, Nutrition, Human Sexuality, Human Biology, Human Anatomy and Physiology and Pathophysiology give the students a deeper appreciation of the courses they are taking.</li> </ul>
How does this discipline contribute to other fields and the mission of the college?	<ul> <li>The department provides high-quality education for transfer credit, primarily: currently, the department has seven full-time and eleven part-time faculty members. Except one, all full-time instructors have doctoral degrees. All full-time are tenured. All of the part-time, except three, have doctoral degrees.</li> <li>Our instructors full-time and part-time, are very engaged in promoting collaboration between the disciplines. Dr. Joyce Jones, our part-time instructor, initiated the first KID STEM BOOT CAMP last year which involved the preschool, tutoring dept, Physical Science, Math Dept, Child Development and Advising dept.</li> <li>We have an Assessment Committee in the department and we volunteer in the College Assessment Committee</li> <li>Some of the faculty are members of scholarship committees, for example the Local 1600, that award funds to students</li> <li>We support, participate, and encourage events to recruit student; to engage students in college life</li> </ul>

<b>Prior Review Update</b> Describe any quality improvements or modifications made since the last review period.	• Regular assessments of Biology 121, 226, 227, and Micro 233 are being done. These are administered to all sections every semester. Prior to last review period, we were making assessments only in one course, and that was Biology 121, which was in all sections. Assessment results are discussed during department meetings. We look at the SLOs that were assessed, we discuss which ones our students have deficits; we come up with ways on how we can improve teaching and learning.
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## **REVIEW ANALYSIS**

Complete the following fields and provide concise information where applicable. Please do not insert data sets but summarize the data to completely answer the questions. The review will be sent back if any of the below fields are left empty or inadequate information is provided.

Indicator 1: Need	Response	
1.1 What mechanisms are in place to determine programmatic needs/changes for AA, AS, AFA, and AES academic programs? How are programmatic needs/changes evaluated by the curriculum review committee and campus academic leadership?	<ul> <li>Any curriculum changes/program changes have to go through the Proposed Academic Curriculum Changes (PACC) Process.</li> <li>The PACC process provides clearly defined development and revision processes for any courses or program offered by any city colleges of Chicago; promotes collaboration among faculty and administration.</li> <li>The PACC Process assures that new course or programs and revisions to courses or programs support the mission and goals of the college and city colleges of Chicago</li> </ul>	
1.2 How are students informed or recruited for this program?	<ul> <li>Media</li> <li>Flyers</li> <li>Calls</li> <li>Word-of-mouth</li> <li>In classrooms</li> <li>website</li> </ul>	
INDICATOR 2: COST EFFECTIVENESS	Response	
2.1 What are the costs associated with this discipline?	Faculty salaries and benefits; departmental expenditures; facilities cost of operation	
2.2 What steps can be taken to offer curricula more cost-effectively?	Streamlined/strategic scheduling using enrollment data and data from student degree audits to determine a more calculated approach to meeting student needs	
2.3 Is there a need for additional resources?	Yes – departmental resources	
INDICATOR 3: QUALITY	Response	

3.1 Are there any alternative delivery methods of this discipline? (e.g. online, flexible-scheduling, accelerated, team teaching, etc.)?	• The department offers a shorter form of scheduling which we call mini-term. Compared to the regular 16 weeks semester, this is a 12-week semester to provide opportunities for students who register late.
3.2 If the college delivers the course in more than one method, does the college compare success rates of each delivery method? If so, how?	This more in depth look at course success rates is part of our larger strategy to assist in moving this department forward
3.3 What assessments does the discipline use to measure full-time and adjunct instructor performance in the classroom?	<ul><li>Student assessment</li><li>Peer assessment</li></ul>
3.4 How does the discipline identify and support at-risk students?	• There are different ways an instructor may identify a student is at-risk and these are embedded and emphasized on the first day of the class; these may be the following: attendance, failure to submit or substandard work; failing exams. Then the instructor contacts the students. At the same time, the instructor fills out the Daley College Remediation Plan and may submit it to Grades First to alert the student's advisor who may also contact the student.
3.5 To what extent is the discipline integrated with other instructional programs and services?	<ul> <li>The department fully collaborates with all other academic and support services of the college. Below are just some of the examples:</li> <li>Our department provides opportunities for students to enhance oral and written communication skills of our students. We have regular Poster Presentations, Power Point presentations, and paper submissions in most Biology classes.</li> <li>Some of our faculty members regularly participate in Math Awareness Week/Critical Thinking Week (Social Science) as presenters</li> <li>We invite the tutors and advisors to come to our classes and encourage our students to seek them</li> </ul>
3.6 What does the discipline or department review when developing or modifying curriculum?	The department first look at <b>who will be the clientele;</b> then we look at the course objectives; the student learning outcomes (are they measurable?); is this course going to be an elective or for a major? is it for a student majoring in science or art; will it be transferable?
3.7 When a course has low retention and/or success rates, what is the process to address these issues?	The department come together and discuss the issue and look for a resolution. If the success rate is good, then we look at what that class is doing well and duplicate that in other classes which have low retention/sucess rates.
LIST ANY BARRIERS ENCOUNTERED WHILE IMPLEMENTING THIS DISCIPLINE.	
## **DATA ANALYSIS FOR ACADEMIC DISCIPLINES**

Please complete for **each course** reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.

	Iongiu	uumai uata avan	abic.				
Academic Discipline Area	Life Sciences						
Course Title	BIOLOGY 103						
Course Description	Structure and function in human sexuality; sexuality related to physical, mental, and emotional health; the relationships between sexual behavior and human ecology, population, gene frequencies, and society. Writing assignments, as appropriate to the discipline, are part of the course.						
	YEAR 1	YEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5					
Number of Students Enrolled	38	25	31	20	33		
CREDIT HOURS PRODUCED	114	75	93	60	99		
Success Rate (% C or better) At the end of the course, excluding Withdrawals and Audit students	71%	76%	77%	45%	72%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)							
How does the data support the course goals? Elaborate.	The course of end of the c for the cour goals. The l success rate and other so rate of the	GOAL IS TO HAVE OURSE. THE AVE RSE IS 68.2%. T DEPARTMENT DIS S AND WILL CON UPPORT SERVICE COURSE.	ALL STUDENTS ( RAGE SUCCESS R THE DATA DOES N SCUSS WAYS IN O ITINUE TO WORK S OF THE COLLE	GETTING C OR BI PATE FOR THE LA NOT SUPPORT TH PRDER TO IMPRO K WITH THE ADM GE TO IMPROVE T	ETTER AT THE ST FIVE YEARS E COURSE VE THE INISTRATORS THE SUCCESS		
WHAT DISAGGREGATED DATA WAS REVIEWED?	No						
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	None						
1	Academic C	OURSE REVIE	W RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future	INCREASE HELP ACHI	AVERAGE SUCCE EVE THIS, WE W	SS RATE BY 5% ILL IMPLEMENT	IN THE NEXT TW THE FOLLOWING	VO YEARS. TO		

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based on this review with a timeline and/or anticipated dates.	<ul> <li>INCREASE/IMPROVE THE EARLY IDENTIFICATION OF AT-RISK STUDENTS FOR REMEDIATION</li> <li>IMPROVE THE COLLABORATION BETWEEN TUTORING/ADVISING, ESPECIALLY FOLLOW-UP OF AT-RISK STUDENTS</li> <li>INCREASE ENGAGEMENT IN CLASSROOM: USE REAL-LIFE SCENARIOS IN LECTURES AND HOMEWORK; USE OF COLLABORATIVE ACTIVITIES; ASSIGN MORE HOMEWORK; ASSIGN AN INQUIRY QUESTION BEFORE A SESSION WITH A CREDIT; BEING SENSITIVE TO LEARNING STYLES OF STUDENTS; UTILIZE EFFECTIVE TECHNOLOGY IN THE CLASSROOM</li> <li>STUDENT SURVEY OF INSTRUCTORS TO BE DONE FOR COURSE</li> </ul>						
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	<ul> <li>The D Stude Colle</li> <li>Incre WAYS. THEIR</li> <li>BEING INSTR</li> </ul>	<ul> <li>The department realizes that there are times that students are not fully utilizing the resources of the college nor are they communicating with their instructor</li> <li>Increasing engagement in the classroom can take many ways. When instructors utilize various ways to engage their students, these may translate to success.</li> <li>Being able to get a feedback on one's performance as an instructor is important in order to improve.</li> </ul>					
Resources Needed	• Facu	ILTY, OTHER S	UPPORT SERV	VICES, ADMINI	STRATION		
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	DEPARTMEN OF THE COLI	IT IN COLLAB( EGE AND THE	DRATION WIT ADMINISTRA	H THE SUPPO TION	RT SERVICES		
DATA ANALYSIS FOR ACADEMIC DISCIPLINES           Please complete for each course reviewed in the Academic Discipline. Provide the most recent 5 year							
Please complete for <b>each co</b>	<b>urse</b> reviewed longit	l in the Academi udinal data avail	c Discipline. Pro able.	I <b>ES</b> ovide the most r	ecent 5 year		
Academic Discipline Area	DUTSE reviewed longiti LIFE SCIENCI	l in the Academi udinal data avail ES	c Discipline. Pro able.	/ <b>ES</b> ovide the most r	ecent 5 year		
Please complete for each co ACADEMIC DISCIPLINE AREA COURSE TITLE	DUTSE reviewed longit	l in the Academi udinal data avail 25	c Discipline. Pro able.	/ <b>ES</b> ovide the most r	ecent 5 year		
Please complete for <b>each co</b> ACADEMIC DISCIPLINE AREA COURSE TITLE	Durse reviewed         longit         LIFE SCIENCE         BIOLOGY 102         Science of f         compositio         preservatio         the future;         future. Write         are part of f	a in the Academi adinal data avail adinal data avail adinal data avail adinal data avail adinal adinal social and pol ting assignme the course.	c Discipline. Pro able. tes to health, i fon, food prep pecial diets, f itical aspects nts, as appro	including food oaration and fad foods, and of food in the priate to the o	ecent 5 year d l foods of e world's discipline,		
Please complete for <b>each co</b> ACADEMIC DISCIPLINE AREA COURSE TITLE	Durse reviewed         longit         LIFE SCIENCE         BIOLOGY 10%         Science of f         compositio         preservatio         the future;         future. Write         are part of f         YEAR 1	a in the Academi adinal data avail adinal data avail adinal data avail adinal data avail adinal data avail adinal adinal social and pol ting assignment the course. YEAR 2	c Discipline. Pro able. res to health, i fon, food prep pecial diets, f itical aspects nts, as appro	vide the most r including food paration and fad foods, and of food in the priate to the o	ecent 5 year d l foods of e world's discipline, <u>YEAR 5</u>		

CREDIT HOURS PRODUCED	414	366	327	408	303		
Success Rate (% C or better) At the end of the course, excluding Withdrawals and Audit students	68%	69%	58%	50%	71%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)							
How does the data support the course goals? Elaborate.	The course goal is to have 100% of students getting C or better. The average success rate of the course for the last five years is 63.2%. The data does not support our course goal.						
What disaggregated data was reviewed?	Gender, Ethi	nicity, Course s	success rates				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	None						
4	Academic C	OURSE REVIE	W RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	<ul> <li>INCRET THE N</li> <li>INCRET REME.</li> <li>IMPRO REAL- TO STO INSTR</li> <li>INCRET</li> <li>ADMIL THIS OF</li> </ul>	ASE OVERALL S EXT 2 YEARS TASE THE IDENT DIATION AND T OVE ENGAGEME. LIFE SCENARIO. UDENTS); GIVE UCTOR AS FACII TASED COMMUN NISTER REGULA COURSE	UCCESS RATE FO TIFICATION OF A UTORING NT IN AND OUTS S (NUTRITION A OPPORTUNITIE. LITATOR; FIELD ICATION WITH I R STUDENT SUF	OR THIS COURSE T-RISK STUDEN SIDE OF THE CLA ND DIET ARE VI S FOR COLLABOI TRIPS INSTRUCTORS A RVEYS ON INSTR	E BY 5% IN TS FOR ASSROOM: USE ERY ENGAGING RATIVE WORK; ND STUDENTS UCTOR FOR		
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	<ul> <li>Heat coll. Stud enga rate</li> <li>By ie succ. with succ.</li> <li>With such more regu the o thin</li> </ul>	TH-SCENARIG ABORATIVE L ENTS TO EXC GEMENT, WH E ENTIFYING S EEDING EARL THEM; DIRE AS TUTORING WITH THEIR LAR SURVEYS CLASSROOM A K WE CAN IMI	OS ON DIET AI EARNING GIVI HANGE EXPER ICH MAY HEL TUDENTS WH Y AND PROVII CTING THEM T G, ENGAGING A INSTRUCTOR ON HOW THE RE WAYS IN W PROVE THE SU	ND NUTRITION ES OPPORTUN PIENCES AND I PIN INCREASI O ARE AT RISH DING REMEDIA TO SUPPORT S AND COMMUN S AND ADMIN S INSTRUCTOR VHICH THE DE ICCESS RATE.	N; ITIES FOR MPROVE ING SUCCESS ING SUCCESS ICATING ISTERING ISTERING IS DOING IN IPARTMENT		

Resources Needed	Collabora Administra College (ti	Collaboration between the department, the Administration, and other support services of the College (tutoring, advising, library, etc)					
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Departmen AND OTHER	DEPARTMENT IN COLLABORATION WITH THE ADMINISTRATION AND OTHER SUPPORT SERVICES					
DATA ANALYSIS FOR ACADEMIC DISCIPLINES Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.							
Academic Discipline Area	LIFE SCIENCI	LIFE SCIENCES					
Course Title	BIOLOGY 114	4					
Course Description	A laboratory course emphasizing scientific inquiry through selected concepts of biology, such as organization, function heredity, evolution, and ecology. Biological issues with personal and social implications will be introduced to enable students to make informed decisions. This course is equivalent to the Illinois Articulation Initiatives General Education generic course numbered L1900L. Writing assignments, as appropriate to the discipline are part of the course						
	YEAR 1	YEAR 2	Year 3	YE100AR 4	Year 5		
Number of Students Enrolled	294	363	398	380	335		
CREDIT HOURS PRODUCED	1180	1452	1608	1548	1356		
Success Rate (% C or better) At the end of the course, excluding Withdrawals and Audit students	61%	76%	80%	64%	56%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)			L1900L	L1900L	L1900L		
How does the data support the course goals? Elaborate.	THE OVERA LAST FIVE Y COURSE GO	LL AVERAGE S YEARS IS 67.4 AL OF 100%.	SUCCESS RATE %, WHICH DO	E OF THE COUP DES NOT SUPP	RSE FOR THE ORT THE		
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethi	nicity, Course s	uccess rates				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	NONE						
	Academic C	OURSE REVIE	W RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a	• Incr next	EASE THE OVE 2 YEARS.	ERALL SUCCES	SS RATE BY 59	6 IN THE		

datas	• INCR	EASE THE IDE	NTIFICATION	OF AT-RISK S	TUDENTS	
dates.	AND	DIRECT THEM	TO TUTORING	GAND/OR PLA	AN FOR	
	REME	EDIATION WIT	H INSTRUCTO	R/ADVISOR.		
	• INCR	EASED COMM	UNICATION BI	ETWEEN INST	RUCTOR	
	AND .	STUDENTS				
	• Regi	ILAR STUDEN	T SURVEY ON	INSTRUCTOR		
	PERF	ORMANCE FOR	R THIS COURS	Е		
	Identifying	G AT <b>-</b> RISK STU	IDENTS AND (	GIVING THEM		
	REMEDIATIC	ON PLANS EAR	LY MAY DECR.	EASE ATTRITI	ON.	
Rationale	SURVEYS ON	INSTRUCTOR	PERFORMAN	CE WILL GIVE	A CHANCE	
Provide a brief summary of the review findings and a	FOR THE INS	TRUCTOR TO	IMPROVE ON I	HIS/HER TEA	CHING.	
rationale for any future	When stud	DENTS ARE AB	LE TO COMMU	INICATE WELI	L WITH	
modifications.	THEIR INSTR	UCTORS AND	THEY GET PR	OMPT FEEDBA	ACKS, THE	
	DEPARTMEN	T REALIZES T	HAT IT LEADS	TO INCREASE	ED	
	ENGAGEMEN	T IN THE CLA	SSROOM.			
Resources Needed	Departmen	IT IN COLLABO	ORATION WIT	H THE ADMIN	ISTRATION	
Resources Necucu	AND OTHER	SUPPORT SER	VICES			
Responsibility	Departmen	T WITH THE	SUPPORT OF 1	THE ADMINIST	RATION	
Who is responsible for completing or implementing	AND OTHER	SUPPORT SER	VICES OF THE	COLLEGE (TU	ITORING,	
the modifications?	ADVISING, LI	BRARY)				
DATA ANALYSIS FOR ACADEMIC DISCIPLINES						
Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year						
Please complete for <b>each co</b>	urse reviewed	f or ACADEM d in the Academi udinal data avail	c Discipline. Pro able.	/ <b>ES</b> ovide the most re	ecent 5 year	
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Please complete for each co ACADEMIC DISCIPLINE AREA COURSE TITLE	Durse reviewed longitu LIFE SCIENCI BIOLOGY 113	for ACADEM d in the Academi adinal data avail	ac Discipline. Pro	<b>IES</b> ovide the most re	ecent 5 year	
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Please complete for <b>each co</b> ACADEMIC DISCIPLINE AREA COURSE TITLE	<b>DUTSE</b> reviewed         longitu         LIFE SCIENCI         BIOLOGY 115         Examines pra application to development	FOR ACADEM d in the Academi udinal data avail ES 5 ctical aspects of technology. Con	c Discipline. Pro able.	<i>IES</i> ovide the most re ots in biology an ide heredity, gro	ecent 5 year d their owth,	
Please complete for each co ACADEMIC DISCIPLINE AREA COURSE TITLE	BIOLOGY 115 Examines pra application to development, relate to the r	t in the Academi udinal data avail 25 ctical aspects of technology. Con health, and ecol najor topics. Em	selected concept ncepts may including phasis will be p	<i>IES</i> ovide the most re ots in biology an ide heredity, gro stems may be stu laced on the rela	ecent 5 year d their owth, udied as they ationship of	
Please complete for each co ACADEMIC DISCIPLINE AREA COURSE TITLE	<b>urse</b> reviewed         longitu         LIFE SCIENCE         BIOLOGY 115         Examines pra         application to         development,         relate to the r         the issues to t	FOR ACADEM d in the Academi <u>udinal data avail</u> ES ctical aspects of technology. Con health, and ecol najor topics. Em the individual an	selected conception of the phasis will be phase of the ph	<i>IES</i> ovide the most re ots in biology an ide heredity, gro stems may be stu laced on the rela course is equival	ecent 5 year d their owth, udied as they ationship of lent to the	
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Please complete for each constraints of the constraint of the constraints of the constrai	<b>urse</b> reviewed         longitu         LIFE SCIENCE         BIOLOGY 113         Examines pra         application to         development,         relate to the r         the issues to t         Illinois Articu         L1904L. Writt         the course         YEAR 1	t in the Academi udinal data avail ES ctical aspects of technology. Con health, and ecol najor topics. Em the individual an lation Initiative' ing assignments YEAR 2	able. selected conceptions able. selected conceptions may including the property of the property of the property. This of the property of the	<i>YES</i> by ide the most re- by ide the most re- by ide heredity, group the heredity, group the heredity, group the heredity, group to the relation to the relation to the discipline <i>YEAR 4</i>	ecent 5 year d their owth, udied as they ationship of lent to the urse numbered e, are part of YEAR 5	
DAT         Please complete for each complete	<b>UITSE</b> reviewed         longitu         LIFE SCIENCH         BIOLOGY 115         Examines pra         application to         development,         relate to the r         the issues to t         Illinois Articu         L1904L. Writt         the course         YEAR 1         289	t in the Academi adinal data avail adinal data avail ES ctical aspects of technology. Con health, and ecol najor topics. Em the individual an lation Initiative' ing assignments YEAR 2 209	selected conception of the provide the provided the provide	VES povide the most re- pots in biology an ide heredity, gro stems may be stu- laced on the rela- course is equival- tion generic cou- to the discipline YEAR 4 171	ecent 5 year d their owth, adied as they ationship of lent to the arse numbered e, are part of <u>YEAR 5</u> 127	
Please complete for <b>each co</b> ACADEMIC DISCIPLINE AREA COURSE TITLE COURSE DESCRIPTION NUMBER OF STUDENTS ENROLLED CREDIT HOURS PRODUCED	<b>DIFNENCIONDIFNENCIONBIOLOGY 11BIOLOGY 11</b> Examines pra application to development, relate to the r the issues to t Illinois Articu L1904L. Writi the course <b>YEAR 1</b> 2891172	t in the Academi adinal data avail adinal data avail ES ctical aspects of technology. Con health, and ecol najor topics. Em the individual an lation Initiative' ing assignments <u>YEAR 2</u> 209 836	ic Discipline. Pro able. selected conception logy. Human syst phasis will be plus of society. This of s General Educa , as appropriate <u>YEAR 3</u> 188 752	VES povide the most re- pots in biology an ade heredity, gro stems may be stu- laced on the rela course is equival tion generic cou- to the discipline <u>YEAR 4</u> 171 684	ecent 5 year d their owth, udied as they ationship of lent to the urse numbered e, are part of <u>YEAR 5</u> 127 520	

EXCLUDING WITHDRAWALS AND AUDIT STUDENTS							
IAI STATUS (LIST CODE) OR FORM 13 STATUS (LIST SIGNATURE DATES AND INSTITUTIONS)	L1904L	L1904L	L1904L	L1904L	L1904L		
How does the data support the course goals? Elaborate.	THE OVERALL AVERAGE SUCCESS RATE OF THE COURSE FOR THE LAST FIVE YEARS IS 65.8%, WHICH DOES NOT SUPPORT THE COURSE GOAL OF 100%.						
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethi	nicity, Course s	success rates				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	None.						
	Academic C	OURSE <b>R</b> EVII	EW RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	<ul> <li>The department's goal is increase the overall success rate of the course by 5% in the next two years (2021).</li> <li>Improve the identification of at-risk students for remediation and tutoring and/or consultation with instructor.</li> <li>Increase engagement between instructors and students inside and outside of the classroom</li> <li>Regular student survey of instructor</li> </ul>						
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	By being se early and i where the realize thi	ENSITIVE TO O DIRECTING TH Y CAN GET HE E GOAL BY TH	UR STUDENTS IEM TO THE P ILP, THE DEPA E END OF TWO	S, IDENTIFYIN ROPER RESOU ARTMENT HOF O YEARS.	G THEM IRCES PES TO		
Resources Needed	Cooperatio Administra	ON OF FACULT TION, AND SU	'Y IN THE DEP JPPORT SERVI	PARTMENT, TH CES OF THE C	IE OLLEGE		
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Departmen other supp	NT IN COLLAB PORT SERVICE.	ORATION WIT S	H ADMINISTR	ATION AND		
<b>DAT</b> Please complete for <b>each co</b>	<b>TA ANALYSIS</b> <b>Durse</b> reviewed longit	FOR ACADEM d in the Academ udinal data avai	<b>IIC DISCIPLIN</b> ic Discipline. Pro lable.	VES ovide the most r	ecent 5 year		
Academic Discipline Area	LIFE SCIENCE	ES					

Course Title	BIOLOGY 120	)					
Course Description	Basic medical vocabulary for allied health professionals and others with minimal background in anatomy and physiology; includes study of the human body systems. Writing assignments, as appropriate to the discipline, are part of the course.						
	YEAR 1	Year 2	YEAR 3	YEAR 4	YEAR 5		
Number of Students Enrolled	199	165	142	114	142		
CREDIT HOURS PRODUCED	606	498	432	398	435		
Success Rate (% C or better) At the end of the course, excluding Withdrawals and Audit students	68%	87%	61%	68%	57%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)							
How does the data support the course goals? Elaborate.	THE OVERA LAST FIVE Y COURSE GOA	THE OVERALL AVERAGE SUCCESS RATE OF THE COURSE FOR THE LAST FIVE YEARS IS 68.2%. THE DATA DOES NOT SUPPORT OUR COURSE GOAL OF 100%.					
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethnicity, Course success rates						
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	None.						
	Academic C	OURSE REVIE	EW RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	<ul> <li>The department's goal is increase the overall success rate of the course by 5% in the next 2 years. In order to do this, we are going to do the following:</li> <li>Improve/increase the early identification of at- risk students for remediation and tutoring</li> <li>Improve engagement in the classroom: improve communication between instructors and students, more homework, teaching and learning styles, classroom assessments, others)</li> <li>Administer regular student surveys on instructor performance</li> </ul>						
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	ENGAGEMEN IMPROVE SU ADMINISTER GET FEEDBA	NT IN THE CLA CCESS RATE. ' INSTRUCTOR CK ON HOW T	ASSROOM IS IM The departm Surveys so They are doin	IPORTANT IN IENT WILL RE THE INSTRUC NG.	ORDER TO EGULARLY TORS WILL		

	INSTRUCTOR	RS IMPROVING	THE IDENTIF	TICATION OF A	T-RISK		
	STUDENTS A	ND GIVING RE	MEDIATION P	PLAN MAY IMP	PROVE		
	SUCCESS RAT	ГЕ.					
Resources Needed	Departmen	DEPARTMENT COLLABORATION WITH ADMINISTRATION AND					
nesources needed	OTHER SUPP	ORT SERVICE.	S				
<b>Responsibility</b>	Dedartmen						
completing or implementing	SUPPORT SERVICES						
the modifications?							
DATA ANALYSIS FOR ACADEMIC DISCIPLINES							
Please complete for <b>each co</b>	<b>urse</b> reviewed	d in the Academi udinal data avai	ic Discipline. Pro	ovide the most r	ecent 5 year		
	LIFE SCIENCI	ES					
ACADEMIC DISCIPLINE AREA							
Course Title	BIOLOGY 12	1					
	Cellular and M	Aolecular Biolog	y. Introduction	to biochemistry	, molecular		
<b>COURSE DESCRIPTION</b>	genetics, cells	structure, functi nments, as appr	on and processe opriate to the di	es. Laboratory re scipline, are par	equired. t of the course.		
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5		
Number of Students Enrolled	579	527	508	515	500		
CREDIT HOURS PRODUCED	3070	2825	2790	2695	2650		
SUCCESS RATE (% C OR BETTER)							
EXCLUDING WITHDRAWALS AND	57%	50%	45%	57%	50%		
AUDIT STUDENTS							
IAI STATUS (LIST CODE) OR FORM 13 Status (LIST SIGNATURE	RI()91()	<i>RI</i> /1910	<i>RI</i> /)91/)	<i>RI</i> /)91/)	<i>BI</i> 0910		
DATES AND INSTITUTIONS)	<i>DI0710</i>	<i>DI0710</i>	<i>DI0710</i>	<i>DI0710</i>	<i>D10</i> ,710		
How does the data support	THE OVERA	LL SUCCESS R	ATE OF THE C	OURSE FOR T	HE PAST		
THE COURSE GOALS?	FIVE YEARS	is <b>51.8%</b> co	MPARED TO T	THE COURSE G	OAL OF		
ELABORATE.	100%. Тн	E DATA DOES	NOT SUPPORT	THE COURSE	GOAL.		
WHAT DISAGGREGATED DATA	Gender, Ethi	nicity, Course s	uccess rates				
GAPS IN THE DATA? PLEASE	NONE						
EXPLAIN.							
	Academic C	OURSE REVIE	W RESULTS				
Intended Action Steps	INCREASE TH	HE OVERALL S	UCCESS RATE	BY <b>3%</b> IN TH	IE NEXT		
Please detail action steps to	YEARS. IN OF	RDER TO ACCO	MPLISH THIS	, WE WILL DO	THE		
based on this review with a	FOLLOWING.						

timeline and/or anticipated dates.	<ul> <li>IMPROVE THE EARLY IDENTIFICATION OF AT-RISK STUDENTS FOR REMEDIATION AND TUTORING</li> <li>INCREASE ENGAGEMENT IN THE CLASSROOM: COLLABORATIVE LEARNING, CLASSROOM ASSESSMENTS, MORE HOMEWORK BEFORE CLASS, LEARNING STYLES, INCREASED COMMUNICATION BETWEEN INSTRUCTOR AND STUDENTS)</li> <li>IMPROVE TEAMWORK BETWEEN TUTORING/ADVISING AND INSTRUCTORS</li> <li>ADMINISTER STUDENT SURVEYS ON INSTRUCTOR PERFORMANCE</li> </ul>							
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	INSTRUCTOF SENSITIVE A REMEDIATE TUTORING S COMMUNICA WELL AS THI MAY HAVE O WITH, WHIC DEPARTMEN	PERFORMANCE INSTRUCTORS TEACHING THIS COURSE MUST EARLY ON BE VERY SENSITIVE AND AWARE OF AT-RISK OF STUDENTS AND REMEDIATE THEM. IF THEY MUST BE DIRECTED TO THE TUTORING SERVICES, THEN THE INSTRUCTOR MAY NEED TO BE COMMUNICATING CLOSELY WITH THE TUTORING SERVICES AS WELL AS THE STUDENT ADVISOR. SOMETIMES, THE STUDENT MAY HAVE OTHER ISSUES THAT HE OR SHE MAY BE DEALING WITH, WHICH COULD BE AFFECTING THE ACADEMICS. DEPARTMENT IN COLLABORATION WITH THE ADMINISTRATION						
Responsibility	AND OTHER WELLNESS ( Dedartmen	SUPPORT SER Center) it in collar	VICES (TUTOR	RING, ADVISIN	G, LIBRARY,			
who is responsible for completing or implementing the modifications?	SUPPORT SEL	RVICES	MATION WIT	II ADMIN AND	OTHER			
DAT	A ANALYSIS	FOR ACADEM	IC <b>DISCIPLI</b> N	IES				
Please complete for <b>each co</b>	urse reviewed longit	d in the Academi udinal data avail	c Discipline. Pro able.	ovide the most r	ecent 5 year			
Academic Discipline Area	Life Scienci	ES						
<b>COURSE TITLE</b>	BIOLOGY 122	2						
Course Description	Continuation introduction t fungi, animals ecological pri appropriate t intending on Biology 121 a	of Biology 121. ( to structure and s, and plants. Em nciples. Laborat o the discipline, transferring to a nd 122 with a g	Drganismal biolo function of majo phasis on evolu ory required. W are part of the c four-year instit rade of C or bett	ogy, ecology, and or groups of mic tionary relation riting assignmen ourse. Biology n oution must com er.	d evolution. An roorganisms, ships and nts, as najors plete both			
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5			
Number of Students Enrolled	Not offered	13	11	16	24			

CREDIT HOURS PRODUCED		65	55	80	120		
Success Rate (% C or better) At the end of the course, excluding Withdrawals and Audit students		77%	73%	94%	89%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)		BI01910	BI0910	BI0910	BI0910		
How does the data support the course goals? Elaborate.	THE OVERA COURSE GO	The overall success rate of the course is 83.25%. The course goal is 100%. It does not meet the course goal.					
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethi	nicity, Course s	uccess rates				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	YES. THE C ENROLLME WE OFFER I	OURSE MAY H NT IN SOME P. T EVERY OTH	AVE BEEN CAI REVIOUS YEAH ER SEMESTER	NCELLED DUE RS, BUT TRAD	TO LOW TIONALLY,		
	Academic C	OURSE <b>R</b> EVIE	W RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	INCREASE TH IN THE NEXT IN THE NEXT IMPR STUD INCR VARIO STYL CLAS INCR AND IMPR TUTO RISK ADM PERF	HE OVERALL S T 2 YEARS. OVE ON THE I ENTS FOR REA EASED ENGAG OUS MEANS: E ES OF STUDEN S MEETINGS; ( EASED COMMUN STUDENTS OVE COMMUN PRING/ADVISI STUDENTS INISTER STUD ORMANCE	UCCESS RATE EARLY IDENTI MEDIATION AI EMENT IN TH EEING SENSITI TTS; GIVING H COLLABORATI JNICATION BE UCATION BET NG AND INSTH ENT SURVEYS	OF THE COUR FICATION OF ND TUTORING E CLASSROOM VE TO THE LE OMEWORK PR VE LEARNING ETWEEN INST WEEN RUCTORS REG.	AT-RISK AT-RISK THROUGH ARNING TOR TO ; RUCTOR ARDING AT- TOR		
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	INCREASING WAYS; ENHA TUTORING D REGARDING FOLLOWING ARE REALLY SUCCESS RAT	ENGAGEMEN NOCING THE CO EPARTMENT/ STUDENTS TH UP ON THESE GOING FOR RI TE IN THE COU	T IN THE CLAS OMMUNICATIO ADVISING DE AT WERE DIR STUDENTS TO EMEDIATION I IRSE.	SSROOM IN VA ON BETWEEN PT AND INSTH ECTED, MEAN O MAKE SURE MAY LEAD TO	RIOUS THE RUCTOR IING THAT THEY IMPROVED		

Resources Needed	Collabora Services, Al	Collaboration between the department and supportive services, admin					
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	DEPARTMENT WITH THE HELP OF THE ADMIN AND OTHER SUPPORT SERVICES						
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.							
Academic Discipline Area	LIFE SCIENCI	LIFE SCIENCES					
Course Title	BIOLOGY 20	5					
Course Description	This course ir systematic stu altered by dis molecular and Physiology (B Writing assign	This course introduces the students to pathophysiology, which is the systematic study of the functional changes in cells, tissues, and organs altered by disease and/or injury. Students will also be introduced to the molecular and cellular basis of disease. Background in Anatomy and Physiology (Biology 226 and 227) is highly recommended for this course. Writing assignments, as appropriate to the discipline, are part of the course.					
	YEAR 1	Year 2	Year 3	Year 4	YEAR 5		
Number of Students Enrolled	18	Not offered	Not offered	Not offered	9		
CREDIT HOURS PRODUCED	54				27		
Success Rate (% C or better) At the end of the course, excluding Withdrawals and Audit students	89%				89%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)							
How does the data support the course goals? Elaborate.	THE AVERA THAT IT WA GOAL OF 10	AGE SUCCESS I AS OFFERED IS DO%.	RATE OF THE ( 89% COMPA	COURSE FOR T RED TO THE (	THE YEARS COURSE		
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethi	nicity, Course s	uccess rates				
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	THE COURS OF LOW END COLLEGE BE FROM STUD AND NURSI	E WAS NOT O ROLLMENT. T ECAME CENTR ENTS, PURSU NG DEGREES,	FFERED FOR S HE NURSING I ALIZED. HOW ING PHARMAC THE COURSE	EVERAL YEAR PROGRAMS OF YEVER, DUE TO Y, PHYSICIAN WAS OFFERE	PS BECAUSE THE CITY O CLAMOR ASSISTANT, D AGAIN.		
	Academic C	OURSE REVIE	W RESULTS				
<b>Intended Action Steps</b> Please detail action steps to be completed in the future	DEPARTMEN IN THE NEXT	IT GOAL IS TO " 2 YEARS.	IMPROVE THI	E SUCCESS RA	те ву 5%		

based on this review with a timeline and/or anticipated dates.	<ul> <li>IMPROVE THE EARLY IDENTIFICATION OF AT-RISK STUDENTS FOR REMEDIATION AND TUTORING.</li> <li>IMPROVE ENGAGEMENT IN CLASSROOM: INCREASE HOMEWORK IN THE COURSE; SENSITIVITY TO LEARNING STYLES; INCREASED COMMUNICATION BETWEEN INSTRUCTOR AND STUDENTS</li> <li>ADMINISTER INSTRUCTOR SURVEYS</li> </ul>						
Rationale	EARLY IDEN	TIFICATION A	ND REMEDIAT	TION; IMPROV	ING		
Provide a brief summary of the review findings and a	ENGAGEMEN	T IN THE CLA	SSROOM IN VA	RIOUS WAYS	AND GIVING		
rationale for any future	FEEDBACK T	O THE INSTRU	ICTOR ON HIS	/HER PERFOR	RMANCE MAY		
modifications.	HELP IMPRO	VE SUCCESS R	ATE.				
Resources Needed	COLLABORA SERVICES	TION BETWEE	IN THE DEPAR	TMENT, ADM	IN, SUPPORT		
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	Departmen	IT WITH HELF	P FROM ADMIN	I, AND SUPPO	RT SERVICES		
DAT	TA ANALYSIS	FOR ACADEM	IIC DISCIPLIN	IES			
Please complete for <b>each co</b>	urse reviewed longiti	d in the Academi udinal data avai	c Discipline. Pro able.	ovide the most r	ecent 5 year		
Academic Discipline Area	LIFE SCIENCI	ES					
Course Title	BIOLOGY 220	6					
Course Description	Human ana recomment professions human bod with physic discipline, a	Human anatomy and physiology. This laboratory course is recommended for those contemplating a career in the health professions and emphasizes the structure and function of the human body. Microscopic and gross anatomy are correlated with physiology. Writing assignments, as appropriate to the					
	YEAR 1	Year 2	Year 3	Year 4	Year 5		
Number of Students Enrolled	288	286	262	219	234		
CREDIT HOURS PRODUCED	1192	1192	1084	<i>932</i>	988		
SUCCESS RATE (% C OR BETTER) AT THE END OF THE COURSE, EXCLUDING WITHDRAWALS AND AUDIT STUDENTS	79%	74%	75%	70%	70%		
IAI Status (list code) or Form 13 Status (list signature dates and institutions)							

How does the data support the course goals? Elaborate.	The overall success rate of the course for the last five years is 73.6% compared to the course goal of 100%. The data does not support the course goal.
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethnicity, Course success rates
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	None.
	Academic Course Review Results
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	<ul> <li>IMPROVE THE OVERALL SUCCESS RATE BY 5% IN THE NEXT 2 YEARS BY IMPLEMENTING THE FOLLOWING:</li> <li>ENHANCING THE EARLY IDENTIFICATION OF AT-RISK STUDENTS FOR REMEDIATION AND TUTORING</li> <li>IMPROVE THE COLLABORATION BETWEEN TUTORING/ADVISING AND INSTRUCTORS AND FOLLOW-UP OF STUDENTS DIRECTED TO THESE SUPPORT SERVICES.</li> <li>IMPROVE ENGAGEMENT IN THE CLASSROOM: INCREASE HOMEWORK GIVEN; USE REAL-LIFE SCENARIOS IN THE CLASSROOM TO ENGAGE STUDENTS; COLLABORATIVE LEARNING IN THE LAB; INSTRUCTOR AS FACILITATOR; SENSITIVE TO STUDENT LEARNING STYLES; IMPROVE COMMUNICATION BETWEEN INSTRUCTOR AND STUDENTS; USE EFFECTIVE TECHNOLOGIES IN THE CLASSROOM; ADMINISTER ASSESSMENTS</li> <li>ADMINISTER STUDENT SURVEYS ON INSTRUCTOR PERFORMANCE</li> </ul>
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	USING HEALTH-CARE/REAL-LIFE SCENARIO DURING LECTURES, OR AS PART OF HOMEWORK BEFORE A LECTURE, CONNECTS THE CLASSROOM TO THEIR EVERYDAY LIVES. THE USE OF EFFECTIVE TECHNOLOGY IN OR OUT (HOMEWORK) OF THE CLASSROOM BY THE INSTRUCTOR MAY HELP A LOT IN ENGAGING THE STUDENTS. IDENTIFYING AT-RISK STUDENTS EARLY AND REMEDIATING THEM AS SOON AS POSSIBLE IS IMPORTANT.
Resources Needed	<b>C</b> ONTINUED COLLABORATION WITH ADMIN AND OTHER SUPPORT SERVICES

<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	DEPARTMENT WITH THE HELP OF ADMIN AND OTHER SUPPORT SERVICES							
<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year longitudinal data available.								
Academic Discipline Area	LIFE SCIENCI	Life Sciences						
Course Title	BIOLOGY 222	7						
Course Description	Continuation appropriate	Continuation of Biology 226. Writing assignments, as appropriate to the discipline, are part of the course.						
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5			
Number of Students Enrolled	177	182	138	129	131			
CREDIT HOURS PRODUCED	736	748	552	540	544			
Success Rate (% C or better) At the end of the course, excluding Withdrawals and Audit students	78%	86%	91%	85%	79%			
IAI Status (list code) or Form 13 Status (list signature dates and institutions)								
How does the data support the course goals? Elaborate.	The overall success rate of the course for the last five years is 83.8% compared to the goal of the course which is 100%. The data does not support the goal of the course							
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethi	nicity, Course s	success rates					
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	None.							
	Academic C	OURSE <b>R</b> EVII	EW <b>R</b> ESULTS					
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	<ul> <li>The goal of the department is to increase the success rate by 5% in the next 2 years</li> <li>Improve on the early identification of at-risk students for remediation and tutoring</li> <li>Enhance the collaboration between tutoring and advising</li> <li>Improve engagement in the classroom: use of real-life/health-care scenarios in</li> </ul>							

	<ul> <li>LECTURE/HOMEWORK; USE OF EFFECTIVE TECHNOLOGY; COLLABORATIVE LEARNING; INCREASED HOMEWORK; CLASSROOM ASSESSMENTS; INSTRUCTOR SENSITIVITY TO DIFFERENT LEARNING STYLES OF STUDENTS; INCREASED COMMUNICATION BETWEEN INSTRUCTOR AND STUDENTS</li> <li>ADMINISTER REGULAR STUDENT SURVEYS ON INSTRUCTOR PERFORMANCE</li> </ul>								
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	BY CONNECTING WHAT THEY ARE LEARNING TO THEIR EVERYDAY LIVES OR TO THINGS THAT THEY ARE INTERESTED II SUCH AS HEALTH AND DISEASES INCREASES INTEREST OR ENGAGEMENT IN STUDENTS. FOLLOWING UP ON STUDENTS DIRECTED TO SUPPORT SERVICE. TELLS THE STUDENTS THAT WE MEAN WELL AND WE CARE FOR THEM. THIS IS WHY CLOSE COLLABORATION/COMMUNICATION BETWEEN THE SUPPORT SERVICES IS IMPORTANT								
Resources Needed	Collaboration between the department, admin, and support services								
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	DEPARTMENT WITH THE HELP OF ADMIN AND SUPPORT SERVICES								
<b>DA1</b> Please complete for <b>each co</b>	<b>DATA ANALYSIS FOR ACADEMIC DISCIPLINES</b> Please complete for <b>each course</b> reviewed in the Academic Discipline. Provide the most recent 5 year								
Academic Discipline Area	LIFE SCIENCI	ES							
Course Title	Microbiolo	GY 233							
Course Description	Morphology, physiology, classification and culture of bacteria and related organisms. The role of bacteria related to human welfare and to plants and animals. Writing assignments, as appropriate to the discipline, are part of the course. Allowed Repeatable Course: Not more than an accumulated								
	YEAR 1	Year 2	YEAR 3	YEAR 4	Year 5				
Number of Students Enrolled	174	159	136	141	139				
CREDIT HOURS PRODUCED	708	640	544	564	564				
SUCCESS RATE (% C OR BETTER) AT THE END OF THE COURSE, EXCLUDING WITHDRAWALS AND AUDIT STUDENTS	75%	86%	95%	94%	92%				
IAI Status (list code) or Form 13 Status (list signature dates and institutions)									

How does the data support the course goals? Elaborate.	The overall success rate of the course for the last five years is 88.4% compared to the course goal which is 100%. The data does not support the course goal.
WHAT DISAGGREGATED DATA WAS REVIEWED?	Gender, Ethnicity, Course success rates
WERE THERE IDENTIFIABLE GAPS IN THE DATA? PLEASE EXPLAIN.	None
	Academic Course Review Results
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	<ul> <li>THE DEPARTMENTS INTENDS TO INCREASE THE SUCCESS RATE OF THE COURSE BY 5% IN THE NEXT 2 YEARS:</li> <li>IMPROVE THE EARLY IDENTIFICATION OF AT-RISK STUDENTS FOR REMEDIATION AND TUTORING</li> <li>ENHANCE THE COLLABORATION/COMMUNICATION BETWEEN TUTORING/ADVISING</li> <li>IMPROVE ENGAGEMENT IN THE COURSE: USE OF EFFECTIVE TECHNOLOGY; COLLABORATIVE LEARNING; REAL-LIFE SCENARIO (VIRUSES, BACTERIA, ETC, THEY AFFECT US IN MANY WAYS, GOOD AND BAD); SENSITIVITY TO LEARNING STYLES OF STUDENTS; IMPROVED COMMUNICATION BETWEEN INSTRUCTOR AND STUDENTS</li> <li>ADMINISTER STUDENT SURVEYS ON INSTRUCTOR PERFORMANCE</li> </ul>
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.	Real-life scenarios engage students and provide a fertile ground for collaborative learning and provides opportunity for the instructor to become a facilitator and improve communication with the students. Increased engagement may lead to improve success rate. Early identification of at-risk students and directing them to support services and following up on them regularly are important in contributing to the success rate.
Resources Needed	Collaboration between the department, admin, and support services
<b>Responsibility</b> Who is responsible for completing or implementing the modifications?	DEPARTMENT WITH THE HELP OF ADMIN AND SUPPORT SERVICES

Career & Technical Education					
College Name:		Richard J. Da	ley College		
FISCAL YEAR IN	REVIEW:	2017 - 2021			
	Program	M IDENTIFICATIO	N INFORMATION		
Program Title	Degree or Cert	Total Credit Hours	6-DIGIT CIP CODE	LIST ALL CERTIFICATE PROGRAMS THAT ARE STACKABLE WITHIN THE PARENT DEGREE	
CNC Operations	BC	6	000422	N/A	
Address all fields in the tem the program, please be	plate. If th sure to spe	ere are certificat ecify and sufficier stackable crede	es and/or other sta atly address all que ntial.	ackable credentials within estions regarding each	
<b>Program Objectives</b> What are the overarching objectives/goals of the prog	Students in this program will study manufacturing materials and processes, including basic metallurgy and electricity, as well as print reading and fundamental quality assurance concepts.				
To what extent are these ob being achieved?	Students demonstrate their success in achieving these objectives through practical hands on demonstration of skills.				
<b>Past Program Review A</b> What action was reported la the program was reviewed?	No actions found in prior reviews.				
CTE PROGRAM REVIEW ANALYSIS Complete the following fields and provide concise information where applicable. Please do not insert full data sets but summarize the data to completely answer the questions. Concise tables displaying this data may be attached. The review will be sent back if any of the below fields are left empty or inadequate information is provided					
List all pre-requisites for thi program (courses, placemer etc.).	s nt scores,	Eligibility for Ma	th 99 and English 96		
Please list or attach all require courses (including titles) for completion of this program institution required courses student success, first year, g education requirements, etc	Basic Certifie Manufacturing To 111 Machining P 112 Machining P 140 CNC Fundam Total Program ( Hours	cate (0422) ech TC1 (0340) rocesses I OR rocesses II entals Credit Hours	3 		

Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	N/A							
INDICATOR 1: NEED	Response							
	With the increased retirements of the baby boomer generation, the skills gap in manufacturing is widening. Though headlines capture the fact that industry is offshoring and moving out of high wage rate areas reducing the overall job pool the actual quantity of openings and available jobs continue to grow due to the pace of retirements out pacing the rate of reduction in manufacturing jobs. With this, the job market is very strong and the need for skilled personnel in all areas of manufacturing is a current number one priority for manufacturers. It is expected that there are 2 unfilled jobs for every placement in advanced manufacturing.							
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demand for the program?	51-2041	CNC Machining	11	18	13	HS or Equivalent		
	51-4011	CNC Machining	50	18	12	HS or Equivalent		
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	The rate of decrease in total jobs in the industry has decreased and the increased rate of open jobs due to increased retirements have produced an environment with more job openings and more opportunities for skilled employees.							
	<u>Historica</u>	l Analysis and Fut						
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	51-4199	CNC Machining	-10%	-1%				
1.3 What is the district and/or regional need?	Chicago re percentag www.bls.g above (qu needs.	sides within Cook ( e of jobs in Illinois ( ;ov/regions) . Ther estion 12) for indic	County, which (43% as of Q4 efore, please ation of region	represents t 2015) (sour refer to the re nal as well as	he ;argest ce: esponse local			
1.4 How are students recruited for this program?	<ul> <li>needs.</li> <li>Daley's Recruitment Team has several ongoing recruitment initiatives particularly geared toward Advanced</li> <li>Manufacturing. In the last several months, we have provided tours at MTEC for twelve local high schools, exposing our new facility to an estimated 475 students, including 150 who attended</li> <li>MTEC's Spring Open House in May. Bogan HS, Kennedy HS and Hubbard HS recently participated in Maker Space workshops; three students who participated in the Maker Space workshops registered for the Advanced Manufacturing program, with more anticipated to complete testing and eventual enrollment in the program. The enrollment team has also assisted students with on and off site pre-registration workshops, reaching approximately 200 students recently. A total of ten New Student Orientations have been completed since in the past few months, totaling 175 attendees, and 110 enrolled for Summer or Fall terms as of May 29, 2019.</li> </ul>							

1.5 Where are students recruited from?	Over the past seven years, the recruitment team has built and maintained a high level of communication with our network of college and career coaches, college counselors at both private and public institutions, and the CPS network team in building partnerships with our local feeder high schools. These relationships have allowed the Daley team to have high visibility and ongoing contact with students, teachers and parents at events throughout the district. Such events include classroom presentations, application workshops, parent presentations, parent advisory meetings, and coordinating financial aid and advising workshops for students entering Daley College. Further, we also recruit from local employers by offering classes at schedules convenient for working adults with either am or pm start times.					
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INDICATOR 2: Cost Effectiveness	Response					
	Credit Unit Cost Calc	FY 2017				
	Salaries	\$ 216,238				
2.1 What are the costs associated	Benefits	\$ 19,978				
with this program?	Services	\$ 12,767				
	Supplies and Equipment	\$ 8,720				
	Budget total	\$ 257,703				
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2.2 How do costs compare to other	Credits	1038				
programs on campus?	Cost per Creidt Hour	Ş 248				
	Daley Average	\$161				
	CCC Average	\$268				
2.3 How is the college paying for this program and its costs (e.g. grants, etc.)?	This program is mainly supported by tuition and fees. Perkins also provides substantial support for supplemental purposes suc as new equipment and replacement equipment and does not affect the sustainability of the program					
2.4 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? Please explain.	N/A					
2.5 Did the review of program cost result in any actions or modifications? Please explain.	The new pursuit of grant funding is being developed into a new capability for our organization to provide the ability to maintain our high level of program curriculum and educational capacity with up to date equipment and instruction.					
INDICATOR 3: QUALITY	1	Response				

3.1 What are the program's strengths?	We have a new Manufacturing Technology and Engineering Center that now provides state of the art advanced manufacturing and engineering facilities and equipment that allows us to renew curriculum and hands on training to reflect current technology as well as to provide an exciting environment to help build interest and enrollment in this program. The facility and equipment is the result of industry partner and advisory board input during the life of the project to ensure that current industry needs are fulfilled by the new capabilities. With this we are developing new courses to expand offerings in the various manufacturing technologies.
3.2 What are the identified or potential weaknesses of the program?	Recruiting and marketing efforts have been recently upgraded and approaches re-designed and it is too early to determine effectiveness. The new facility and equipment are an asset with recruiting and we have markedly increased interest and excitement and are waiting to see how these new efforts result in increased enrollment.
3.3 What are the delivery methods of this program? (e.g. traditional format/online/hybrid/team- teaching etc.)?	Courses are delivered in a traditional lecture and lab format in these classes. We have begun to offer accelerated mini sections of classes to allow students to complete two classes in one semester during successive 8 week mini sessions which has had good initial success. We wil continue to try innovative scheduling methods of delivery.
3.4 How does this program fit into a career pathway?	This basic certificate can lead to entry level positions in manufacturing positions such as welding, Soldering, and Brazing Machine Setter, Operator, and Tender, in these positions an employee would set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	New training equipment that includes modern controls and sensor technology has been implemented in our new lab facility to provide foundational skills and building blocks to train students on. These technologies include automation and manual technologies and include hands on skill demonstration to improve the training experience. Equipment manufacturing partners and training equipment partners were consulted with in addition to employer partners to develop this equipment configuration.
3.6 Are there dual credit opportunities? If so please list offerings and the associated high schools.	We are currently working with a Chicago Public School High Schools on CNC Machining programs at Austin Tech. and Bowen HS. We are working with Prosser HS to develop a welding lab and CAD dual credit training space on their campus. The Prosser facilities are being constructed over the summer of 2019 and expect to develop the program for the following term. We are working other local schools such as Bowen and Hubbard to take advantage of their close proximity to our campus and new facilities to implement dual credit programs.

3.7 What work-based learning opportunities are available and integrated into the curriculum?	Each student has practical hands on training with industrial grade equipment as part of the lab experience. In the labs in addition to demonstration of proper technique and knowledge of equipment, students frequently perform projects and design and build items for use in our facilities. Examples include building the new welding tables that will be used on our new welding lab and this past winter performing weld repair on the college snow plow to repair damage, programming an inspection machine, or operating a CNC lathe or Mill.
3.8 Is industry accreditation required for this program (e.g. nursing)? If so, identify the accrediting body. Please also list if the college has chosen to voluntarily seek accreditation (e.g. automotive technology, NATEF).	Industry accreditation is required in the form of NIMS (National Institute for Metalworking Standards) accreditation for this program. We follow American Society for Quality Standards and NIMS standards and teach students to these standards and utilize the NIMS certificates as part of our CNC program as a method to standardize and ensure quality in this program. Students are offered to opportunity to achieve NIMS credentials as part of the program.
3.9 Are industry-recognized credentials offered? If so, please list.	As stated above, we offer NIMS credentials for students as part of this program.
3.10 Is this an apprenticeship program? If so, please elaborate.	We have an apprenticeship opportunity available with a local rapid transit seating manufacturer. Students take classes 2 days per week and work part time to complement the training in each setting. We currently have one cohort progressing and are working on a second cohort to begin this program in Fall of 19. We are working with other manufacturers to develop apprenticeships. We applied for and obtained a grant to develop apprenticeship navigator infrastructure for these programs as a pilot project.
3.11 If applicable, please list the licensure examination pass rate.	N/A
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	Southern Illinois University agreement for their IMAE program Illinois Institute of Technology for their Applied Engineering program Governors State for their Industrial Management Program We have a transfer office that offers assistance with transferring to many other institutions.
3.13 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	We have formed several new partnerships including: American Gear Manufacturing Association to establish a National Gear manufacturing Training Center on Campus, National Coalition of Certificaiton Centers to bring new training curriculum to our programs, Lincoln Electric to bring state of the art equipment to this program, Calumet Area Industrial Commission to bring the Promise Grant tuition, Books and Supplies scholarships to this program. Among others.
3.14 What is the faculty to student ratio for courses in this program? Please provide a range and average.	Class sizes are limited to 15 students and the range is 4 to 15 and the average is 7.6 over the past 5 years.

			Program Faculty		
	Professional Development	FT/PT	Attendance		
	Zeiss SEM Training	Both	4		
	NC3 Metrology Training	Both	2		
	NC3 Termination Training	РТ	1		
	NC3 Torque Training	FT	1		
	DC Grant Writing Workshop	FT	1		
	Fanuc Training for CNC	РТ	1		
3.15 What professional development	Talents in teaching Workshop	PT	2		
or training is offered to adjunct and	Zeiss CMM Training	Both	3		
full time faculty that may increase	Hiden Gas Analyzer Training	FT	2		
the quality of this program?	Tensile Tesster Training	FT	1		
	SME Heat Treating Workshop	FT	1		
	Hexagon Metrolgy CMM Training	FT	1		
	Miller Welding Instructor Training	FT	2		
	Master CAM Certification Workshop	Both	4		
	IPG Laser Training	Both	3		
	Greenlee NC3 Workshop	FT	1		
	AWS Certified Welding Instrution Workshop	FT	1		
	Major Scientific Training	FT	1		
3.16 What is the status of the current technology and equipment used for this program?	The facilities and equipment for this program are in a new \$45MM, 50K Sq. Ft building, with \$5MM of new advanced manufacturing equipment to support this program as well as th other programs in our engineering and advanced manufacturing pathways. This new equipment allows training on state of the a equipment in a exciting new facility and allows us to expand				
3.17 What assessment methods are used to ensure student success?	Course evaluation surveys are completed by students in courses taught by adjunct professors, Embedded techniques include hands on performance of skills such as demonstration of production of a specific part to a blueprint utilizing the process being taught. We are in the process of implementing a Graduate Completion survey as well as a Employer Satisfaction survey as described in sections 3.18 and section 3.22.				
3.18 How satisfied are students with their preparation for employment?	We are planning to develop a Graduate Follow up survey to determine student satisfaction with preparation of employment. The plan is to develop and implement this survey for the graduates from each spring semester beginning in the spring of 2020. The plan is for this survey to be administered to completers prior to their leaving campus at the end of the spring semester each year.				
3.19 How is student satisfaction information collected?	The plan for the graduate Follow up survey above.	is outline	d in 3/18		

3.20 How are employers enga this program? (e.g. curriculur design, review, placement, we based learning opportunities	aged in n ork- )	Employers have been engaged in numerous ways in this program including through advisory boards, new facility layout reviews for the new building, equipment selection decisions for the new facility, curriculum reviews for course revisions and new course development, presentation of career options to classes, participation in career exploration expo events, designing work study opportunities, suggestions for new curriculum, recruitment assistance and being open for tours and exposure of students to their processes and equipment to generate interest in persistence with pursuing completion.					
3.21 How often does the program advisory committee meet?			The advisory committee meets twice per year. Once in the Spring semester and once in the Fall semester. We share our advisory committee with Wilbur Wright College who also is in our CCC district and offers a CNC BC and AC program. We have had approximate 40 attendees at our recent advisory board meetings.				
3.22 How satisfied are employers in the preparation of the program's graduates?			We will be conducting employer surveys in the fall of 2019 to quantitatively determine employer satisfaction. Feedback has been good and interest high in pursuing program graduates to local firms that perform these manufacturing functions				
3.23 How is employer satisfaction information collected?			We will be surveying employers in the Fall 2019 semester and will pursue this survey electronically and in person at the fall advisory board meeting. The plan is to take this survey once per year going forward.				
3.24 Did the review of program quality result in any actions or modifications? Please explain.			Review of the program resulted in the construction and equipping of the new MTEC facility. Also, we are revising and expanding course offerings to reflect current industry demands and inputs with the intention of being aspirational and allowing students to pursue careers in engineering and advanced manufacturing beyond their initial interests due to the nature of the new environment and diverse technologies offered.				
DAT	TA ANAL	VSIS	FOR CTE PR	OGRAM REVI	EW		
Please complete for each progr or report on enrollment and cor	ram review npletion d most recen	ved. C ata in nt 5 ye	olleges may rep dividually for ea ear longitudinal	ort aggregated o ich certificate w data available.	lata from the pa ithin the progra	rent program m. Provide the	
CTE Program	CNC OP	ERAT	IONS				
CIP CODE	000422	)					
	YEAR	1	YEAR 2	YEAR 3	YEAR 4	Year 5	
Number of Students Enrolled	163		11	137	127	131	
Number of Completers	0		0	38	22	8	
Total enrollment in classes	201		256	163	130	203	
	_						

How does the data support<br/>the program goals?The main goal of this CTE program is to prepare students for employment in<br/>their field of study. The program has seen declining enrollment and efforts<br/>over the past 3 years to improve the program have been significant and now

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	having been recently implemented allow renewed effort and focus on recruiting and enrollment to attract students to the exciting world of advanced manufacturing with our new facilities, equipment and planned curriculum. The plan is to reverse the declining enrollment and provide a new source of competitive advantage for advanced manufacturing and engineering in the region through this newly and substantially revised program.					
What disaggregated data was reviewed?	Demographic data was reviewe the district.	ed against the populati	on of the co	llege and		
Were there gaps in the data? Please explain.	There were no gaps in the data	observed.				
What is the college doing to overcome any identifiable gaps?	The college is working on an equity plan to ensure all students have supports needed to meet their goals. Tutoring programs, early alert systems, instructor awareness, and additional creative supports such as a food pantry have been provided and are continuing to be developed					
		FY 18 - 19				
Are the students served in		African American	Hispanic	White		
this program	Daley College	20.2%	60.8%	16.1%		
student population? Please explain.	Advanced Manufacturing	38.0%	50.0%	10.0%		
	CCC District	31.1%	44.5%	14.4%		
-	Chicago	32.4%	28.9%	31.7%		
Are the students served in this program representative of the district population? Please explain.	See the data above. The Advan percentage African American t Advanced Manufacturing prog students than the district and t institution which reflects the s	ced Manufacturing pro han the city, district an ram has a higher perce he city. Richard J. Dale urrounding community	ogram has a d college. <i>A</i> ntage of His ey is a Hispa V	higher Also the spanic inic serving		
	<b>REVIEW RESULT</b>	rs				
Action	<ul> <li>☑ Continued with Minor Improvements</li> <li>□ Significantly Modified</li> <li>□ Placed on Inactive Status</li> <li>□ Discontinued/Eliminated</li> <li>□ Other (please specify)</li> </ul>					
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	There is great student interest in this CTE pathway and there is great employer interest in this pathway. We have a brand new facility and extensive new equipment to perform great training activities for our students, community members and employers. We have seen good initial results in our progress on improving the program					
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	<ol> <li>Implement Employer satisfaction survey</li> <li>Implement graduate satisfaction survey</li> <li>Complete course revisions underway</li> <li>Continue renewed recruitment activities</li> </ol>					

Career & Technical Education						
Colle	GE NAME:	Richard J. Da	ley College			
FISCAL YEAR IN	NREVIEW:	2017 - 2021				
	Program	M IDENTIFICATIO	N INFORMATION			
Program Title	Degree or Cert	Total Credit Hours	6-DIGIT CIP CODE	LIST ALL CERTIFICATE PROGRAMS THAT ARE STACKABLE WITHIN THE PARENT DEGREE		
Computer Numerical Control Machining	BC	16	000724	0422		
Address all fields in the tem the program, please be	plate. If th sure to spe	ere are certificate ecify and sufficier stackable crede	es and/or other sta ntly address all que ential.	ckable credentials within stions regarding each		
<b>Program Objectives</b> What are the overarching objectives/goals of the prog	jram?	Students in this program will study manufacturing materials and processes, including basic metallurgy and electricity, as well as print reading and fundamental quality assurance concepts.				
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List all pre-requisites for thi program (courses, placemer etc.).	s 1t scores,	Eligibility for Mat	th 99 and English 96			

Please list or attach all required courses (including titles) for completion of this program including institution required courses (e.g. student success, first year, general education requirements, etc.).	Basic Certificate (0724)Manufacturing Tech TC1 (0340)111 Machining Processes I
Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	N/A
INDICATOR 1: NEED	Response

	the skills gap in manufacturing is widening. Though headlines capture the fact that industry is offshoring and moving out of high wage rate areas reducing the overall job pool the actual quantity of openings and available jobs continue to grow due to the pace of retirements out pacing the rate of reduction in manufacturing jobs. With this, the job market is very strong and the need for skilled personnel in all areas of manufacturing is a current number one priority for manufacturers. It is expected that there are 2 unfilled jobs for every placement in advanced manufacturing.						
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3.4 How does this program fit into a career pathway?	This basic certificate can lead to entry level positions in manufacturing positions such as welding, Soldering, and Brazing Machine Setter, Operator, and Tender, in these positions an employee would set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	New training equipment that includes modern controls and sensor technology has been implemented in our new lab facility to provide foundational skills and building blocks to train students on. These technologies include automation and manual technologies and include hands on skill demonstration to improve the training experience. Equipment manufacturing partners and training equipment partners were consulted with in addition to employer partners to develop this equipment configuration.
3.6 Are there dual credit opportunities? If so please list offerings and the associated high schools.	We are currently working with a Chicago Public School High Schools on CNC Machining programs at Austin Tech. and Bowen HS. We are working with Prosser HS to develop a welding lab and CAD dual credit training space on their campus. The Prosser facilities are being constructed over the summer of 2019 and expect to develop the program for the following term. We are working other local schools such as Bowen and Hubbard to take advantage of their close proximity to our campus and new facilities to implement dual credit programs.

3.7 What work-based learning opportunities are available and integrated into the curriculum?	Each student has practical hands on training with industrial grade equipment as part of the lab experience. In the labs in addition to demonstration of proper technique and knowledge of equipment, students frequently perform projects and design and build items for use in our facilities. Examples include building the new welding tables that will be used on our new welding lab and this past winter performing weld repair on the college snow plow to repair damage, programming an inspection machine, or operating a CNC lathe or Mill.
3.8 Is industry accreditation required for this program (e.g. nursing)? If so, identify the accrediting body. Please also list if the college has chosen to voluntarily seek accreditation (e.g. automotive technology, NATEF).	Industry accreditation is required in the form of NIMS (National Institute for Metalworking Standards) accreditation for this program. We follow American Society for Quality Standards and NIMS standards and teach students to these standards and utilize the NIMS certificates as part of our CNC program as a method to standardize and ensure quality in this program. Students are offered to opportunity to achieve NIMS credentials as part of the program.
3.9 Are industry-recognized credentials offered? If so, please list.	As stated above, we offer NIMS credentials for students as part of this program.
3.10 Is this an apprenticeship program? If so, please elaborate.	We have an apprenticeship opportunity available with a local rapid transit seating manufacturer. Students take classes 2 days per week and work part time to complement the training in each setting. We currently have one cohort progressing and are working on a second cohort to begin this program in Fall of 19. We are working with other manufacturers to develop apprenticeships. We applied for and obtained a grant to develop apprenticeship navigator infrastructure for these programs as a pilot project.
3.11 If applicable, please list the licensure examination pass rate.	N/A
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	Southern Illinois University agreement for their IMAE program Illinois Institute of Technology for their Applied Engineering program Governors State for their Industrial Management Program We have a transfer office that offers assistance with transferring to many other institutions.
3.13 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	We have formed several new partnerships including: American Gear Manufacturing Association to establish a National Gear manufacturing Training Center on Campus, National Coalition of Certificaiton Centers to bring new training curriculum to our programs, Lincoln Electric to bring state of the art equipment to this program, Calumet Area Industrial Commission to bring the Promise Grant tuition, Books and Supplies scholarships to this program. Among others.
3.14 What is the faculty to student ratio for courses in this program? Please provide a range and average.	Class sizes are limited to 15 students and the range is 4 to 15 and the average is 7.6 over the past 5 years.

			Program Faculty		
	Professional Development	FT/PT	Attendance		
	Zeiss SEM Training	Both	4		
	NC3 Metrology Training	Both	2		
	NC3 Termination Training	РТ	1		
	NC3 Torque Training	FT	1		
	DC Grant Writing Workshop	FT	1		
	Fanuc Training for CNC	РТ	1		
3.15 What professional development	Talents in teaching Workshop	PT	2		
full time faculty that may increase the quality of this program?	Zeiss CMM Training	Both	3		
	Hiden Gas Analyzer Training	FT	2		
	Tensile Tesster Training	FT	1		
	SME Heat Treating Workshop	FT	1		
	Hexagon Metrolgy CMM Training	FT	1		
	Miller Welding Instructor Training	FT	2		
	Master CAM Certification Workshop	Both	4		
	IPG Laser Training	Both	3		
	Greenlee NC3 Workshop	FT	1		
	AWS Certified Welding Instrution Workshop	FT	1		
	Major Scientific Training	FT	1		
3.16 What is the status of the current technology and equipment used for this program?	\$45MM, 50K Sq. Ft building, with \$5MM of new advanced manufacturing equipment to support this program as well as the other programs in our engineering and advanced manufacturing pathways. This new equipment allows training on state of the art equipment in a exciting new facility and allows us to expand offerings to meet industry partner needs.				
3.17 What assessment methods are used to ensure student success?	e Course evaluation surveys are completed by students in courses taught by adjunct professors, Embedded techniques include hands on performance of skills such as demonstration of production of a specific part to a blueprint utilizing the process being taught. We are in the process of implementing a Graduate Completion survey as well as a Employer Satisfaction survey as described in sections 3.18 and section 3.22.				
3.18 How satisfied are students with their preparation for employment?	We are planning to develop a Graduate Follow up survey to determine student satisfaction with preparation of employment. The plan is to develop and implement this survey for the graduates from each spring semester beginning in the spring of 2020. The plan is for this survey to be administered to completers prior to their leaving campus at the end of the spring semester each year.				
3.19 How is student satisfaction information collected?	The plan for the graduate Follow up survey is outlined in 3/18 above.				

3.20 How are employers enga this program? (e.g. curriculur design, review, placement, we based learning opportunities	Emp incl the facil dev part stuc assi thei with	Employers have been engaged in numerous ways in this program including through advisory boards, new facility layout reviews for the new building, equipment selection decisions for the new facility, curriculum reviews for course revisions and new course development, presentation of career options to classes, participation in career exploration expo events, designing work study opportunities, suggestions for new curriculum, recruitment assistance and being open for tours and exposure of students to their processes and equipment to generate interest in persistence with nursuing completion					
3.21 How often does the program advisory committee meet?			advisory comm lester and once i limittee with Wil rict and offers a roximate 40 atte	ittee meets twic n the Fall semes bur Wright Coll CNC BC and AC endees at our re	e per year. Onc ster. We share o ege who also is i program. We ha cent advisory bo	e in the Spring ur advisory n our CCC ave had pard meetings.	
3.22 How satisfied are employers in the preparation of the program's graduates?			will be conducti ntitatively deter n good and inter l firms that perf	ng employer sum mine employer rest high in purs orm these manu	rveys in the fall satisfaction. Fe uing program gi ifacturing functi	of 2019 to edback has raduates to ons.	
3.23 How is employer satisfaction information collected?			We will be surveying employers in the Fall 2019 semester and will pursue this survey electronically and in person at the fall advisory board meeting. The plan is to take this survey once per year going forward.				
3.24 Did the review of program quality result in any actions or modifications? Please explain.			Review of the program resulted in the construction and equipping of the new MTEC facility. Also, we are revising and expanding course offerings to reflect current industry demands and inputs with the intention of being aspirational and allowing students to pursue careers in engineering and advanced manufacturing beyond their initial interests due to the nature of the new environment and diverse technologies offered.				
DAT	A ANAL	YSIS	FOR CTE PR	OGRAM <b>R</b> EVI	EW		
Please complete for each progr or report on enrollment and cor	am review npletion d most recer	ved. C ata in nt 5 y	olleges may rep dividually for ea ear longitudinal	ort aggregated o ach certificate w data available.	lata from the pa ithin the progra	rent program m. Provide the	
CTE Program	CNC MA	ACHIN	IING				
CIP CODE	000724	l					
	Year	1	YEAR 2	Year 3	YEAR 4	Year 5	
Number of Students Enrolled	163		181	137	127	131	
Number of Completers	2		4	0	0	0	
Other (Please identify)	201		256	163	130	203	

Other (Please identify)	201	256	163	130	203
How does the data support the program goals? Elaborate.	The main goal their field of st over the past 3 having been re	of this CTE prog tudy. The progra years to impro ecently impleme	gram is to prepa am has seen dec ve the program nted allow rene	re students for e lining enrollmen have been signif wed effort and f	employment in nt and efforts ficant and now ocus on

	recruiting and enrollment to attract students to the exciting world of advanced manufacturing with our new facilities, equipment and planned curriculum. The plan is to reverse the declining enrollment and provide a new source of competitive advantage for advanced manufacturing and engineering in the region through this newly and substantially revised program.					
What disaggregated data was reviewed?	Demographic data was review the district.	ed against the populat	ion of the c	ollege and		
Were there gaps in the data? Please explain.	There were no gaps in the data	a observed.				
What is the college doing to overcome any identifiable gaps?	The college is working on an equity plan to ensure all students have supports needed to meet their goals. Tutoring programs, early alert systems, instructor awareness, and additional creative supports such as a food pantry have been provided and are continuing to be developed.					
Are the students served in		FY 18 - 19		14/1-1		
this program	5 L 6 U	African American	Hispanic	White		
representative of the total	Daley College	20.2%	60.8%	16.1%		
student population? Please	Advanced Manufacturing	38.0%	50.0%	10.0%		
explain.	CCC District	31.1%	44.5%	14.4%		
	Chicago	32.4%	28.9%	31.7%		
Are the students served in this program representative of the district population? Please explain.	See the data above. The Advar percentage African American t Advanced Manufacturing prog students than the district and institution which reflects the s	nced Manufacturing pro- chan the city, district ar gram has a higher perce- the city. Richard J. Dalo currounding communit	ogram has a nd college. entage of Hi ey is a Hisp y.	a higher Also the spanic anic serving		
	<b>Review Result</b>	TS				
Action	<ul> <li>☑ Continued with Minor Improvements</li> <li>□ Significantly Modified</li> <li>□ Placed on Inactive Status</li> <li>□ Discontinued/Eliminated</li> <li>□ Other (classe gravite)</li> </ul>					
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	There is great student interest in this CTE pathway and there is great employer interest in this pathway. We have a brand new facility and extensive new equipment to perform great training activities for our students, community members and employers. We have seen good initial results in our progress on improving the program.					
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	results in our progress on improving the program.         1. IMPLEMENT EMPLOYER SATISFACTION SURVEY         2. IMPLEMENT GRADUATE SATISFACTION SURVEY         3. COMPLETE COURSE REVISIONS UNDERWAY         4. CONTINUE RENEWED RECRUITMENT ACTIVITIES					

Career & Technical Education				
College Name:		Richard J. Daley College		
FISCAL YEAR IN REVIEW:		2019		
<b>PROGRAM IDENTIFICATION INFORMATION</b>				
Program Title	Degree or Cert	Total Credit Hours	6-DIGIT CIP CODE	LIST ALL CERTIFICATE PROGRAMS THAT ARE STACKABLE WITHIN THE PARENT DEGREE
Computer Numerical Control Machining	AC	37	000725	0422, 0724
Address all fields in the template. If there are certificates and/or other stackable credentials within the program, please be sure to specify and sufficiently address all questions regarding each stackable credential.				
<b>Program Objectives</b> What are the overarching objectives/goals of the program?		Students in this program will study manufacturing materials and processes, including basic metallurgy and electricity, as well as print reading and fundamental quality assurance concepts.		
To what extent are these objectives being achieved?		Students demonstrate their success in achieving these objectives through practical hands on demonstration of skills.		
<b>Past Program Review Action</b> What action was reported last time the program was reviewed?		No actions found in prior reviews.		
CTE PROGRAM REVIEW ANALYSIS Complete the following fields and provide concise information where applicable. Please do not insert full data sets but summarize the data to completely answer the questions. Concise tables displaying this data may be attached. The review will be sent back if any of the below fields are left empty or inadequate information is provided.				
List all pre-requisites for this program (courses, placement scores, etc.).		Eligibility for Math 99 and English 96		
	Advanced Certificate (0725)			
--	---------------------------------			
Please list or attach all required courses (including titles) for completion of this program including institution required courses (e.g. student success, first year, general education requirements, etc.).	English (0035)101 Composition I			
Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	N/A			
INDICATOR 1: NEED	Response			

	the skills gap in manufacturing is widening. Though headlines capture the fact that industry is offshoring and moving out of high wage rate areas reducing the overall job pool the actual quantity of openings and available jobs continue to grow due to the pace of retirements out pacing the rate of reduction in manufacturing jobs. With this, the job market is very strong and the need for skilled personnel in all areas of manufacturing is a current number one priority for manufacturers. It is expected that there are 2 unfilled jobs for every placement in advanced manufacturing.						
	SOC	SOC Description	Annual Openings	Hourly Earnings (\$ MED)	Hourly Earnings (\$ PCT 10)	Entry Level Education	
1.1 How strong is the occupational	51-2041	CNC Machining	11	18	13	HS or Equivalent	
demand for the program?	51-4011	CNC Machining	50	18	12	HS or Equivalent	
	51-4012	CNC Machining	14	27	18	HS or Equivalent	
	51-4031	CNC Machining	41	15	9	HS or Equivalent	
	51-4032	CNC Machining	4	14	10	HS or Equivalent	
	51-4033	CNC Machining	40	16	12	HS or Equivalent	
	51-4034	CNC Machining	13	19	13	HS or Equivalent	
	51-4035	CNC Machining	4	19	13	HS or Equivalent	
	51-4041	CNC Machining	304	18	11	HS or Equivalent	
	51-4081	CNC Machining	30	19	11	HS or Equivalent	
	51-4111	CNC Machining	9	26	16	HS or Equivalent	
	51-4194	CNC Machining	2	19	14	HS or Equivalent	
	51-4199	CNC Machining	4	17	9	HS or Equivalent	

	The rate of decrease in total jobs in the industry has decreased and the increased rate of open jobs due to increased retirements have produced an environment with more job openings and more opportunities for skilled employees.					
	Historical Analysis and Future Outlook					
	SOC	SOC Description	Change % 2011 - 2016	Change % 2016 - 2021		
	51-2041	CNC Machining	-6%	-12%		
1.2 How has demand changed in the	51-4011	CNC Machining	1%	-2%		
past five years and what is the	51-4012	CNC Machining	1%	-4%		
outlook for the next five years?	51-4031	CNC Machining	-11%	-18%		
	51-4032	CNC Machining	-12%	-18%		
	51-4033	CNC Machining	-11%	-18%		
	51-4034	CNC Machining	-12%	-17%		
	51-4035	CNC Machining	-11%	-15%		
	51-4041	CNC Machining	1%	-4%		
	51-4081	CNC Machining	-5%	-13%		
	51-4111	CNC Machining	-10%	-22%		
	51-4194	CNC Machining	-10%	-16%		
	51-4199	CNC Machining	-10%	-1%		
1.3 What is the district and/or regional need?	Chicago re percentag www.bls.g above (qu needs.	sides within Cook e of jobs in Illinois ov/regions) . Ther estion 12) for indic	County, which (43% as of Q4 efore, please ation of region	represents t 2015) (sour refer to the re nal as well as	he ;argest ce: esponse local	
1.4 How are students recruited for this program?	needs.Daley's Recruitment Team has several ongoing recruitment initiatives particularly geared toward Advanced Manufacturing. In the last several months, we have provided tours at MTEC for twelve local high schools, exposing our new facility to an estimated 475 students, including 150 who attended MTEC's Spring Open House in May. Bogan HS, Kennedy HS and Hubbard HS recently participated in Maker Space workshops; three students who participated in the Maker Space workshops registered for the Advanced Manufacturing program, with more anticipated to complete testing and eventual enrollment in the program. The enrollment team has also assisted students with on and off site pre-registration workshops, reaching approximately 200 students recently. A total of ten New Student Orientations have been completed since in the past few months, totaling 175 attendees, and 110 enrolled for Summer or Fall terms as of May 29, 2019.					

1.5 Where are students recruited from?	Over the past seven years, the recruitment team has built and maintained a high level of communication with our network of college and career coaches, college counselors at both private and public institutions, and the CPS network team in building partnerships with our local feeder high schools. These relationships have allowed the Daley team to have high visibility and ongoing contact with students, teachers and parents at events throughout the district. Such events include classroom presentations, application workshops, parent presentations, parent advisory meetings, and coordinating financial aid and advising workshops for students entering Daley College. Further, we also recruit from local employers by offering classes at schedules convenient for working adults with either am or pm start times.				
1.6 Did the review of program need result in actions or modifications? Please explain.	New recruiting strategies as implemented. Also, new cou this certificate to stack into	s outlined above urses are being an AC and subse	are being developed to allow equently an AAS.		
INDICATOR 2: Cost Effectiveness	1	Response			
	Credit Unit Cost Calc	FY 2017			
2.1 What are the costs associated with this program?	Salaries	\$ 216,238			
	Benefits	\$ 19,978			
	Services	\$ 12,767			
	Supplies and Equipment	\$ 8,720			
	Budget total	\$ 257,703			
	Budget total	\$ 257,703			
2.2 How do costs compare to other	Credits	1038			
programs on campus?	Cost per Creidt Hour	Ş 248			
	Daley Average	\$161			
	CCC Average	\$268			
2.3 How is the college paying for this program and its costs (e.g. grants, etc.)?	CCC Average       \$268         This program is mainly supported by tuition and fees. Perkins also provides substantial support for supplemental purposes such as new equipment and replacement equipment and does not affect the sustainability of the program				
2.4 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? Please explain.	N/A				
2.5 Did the review of program cost result in any actions or modifications? Please explain.	The new pursuit of grant funding is being developed into a new capability for our organization to provide the ability to maintain our high level of program curriculum and educational capacity with up to date equipment and instruction.				
INDICATOR 3: QUALITY	1	Response			

3.1 What are the program's strengths?	We have a new Manufacturing Technology and Engineering Center that now provides state of the art advanced manufacturing and engineering facilities and equipment that allows us to renew curriculum and hands on training to reflect current technology as well as to provide an exciting environment to help build interest and enrollment in this program. The facility and equipment is the result of industry partner and advisory board input during the life of the project to ensure that current industry needs are fulfilled by the new capabilities. With this we are developing new courses to expand offerings in the various manufacturing technologies.
3.2 What are the identified or potential weaknesses of the program?	Recruiting and marketing efforts have been recently upgraded and approaches re-designed and it is too early to determine effectiveness. The new facility and equipment are an asset with recruiting and we have markedly increased interest and excitement and are waiting to see how these new efforts result in increased enrollment.
3.3 What are the delivery methods of this program? (e.g. traditional format/online/hybrid/team- teaching etc.)?	Courses are delivered in a traditional lecture and lab format in these classes. We have begun to offer accelerated mini sections of classes to allow students to complete two classes in one semester during successive 8 week mini sessions which has had good initial success. We wil continue to try innovative scheduling methods of delivery.
3.4 How does this program fit into a career pathway?	This basic certificate can lead to entry level positions in manufacturing positions such as welding, Soldering, and Brazing Machine Setter, Operator, and Tender, in these positions an employee would set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	New training equipment that includes modern controls and sensor technology has been implemented in our new lab facility to provide foundational skills and building blocks to train students on. These technologies include automation and manual technologies and include hands on skill demonstration to improve the training experience. Equipment manufacturing partners and training equipment partners were consulted with in addition to employer partners to develop this equipment configuration.
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3.11 If applicable, please list the licensure examination pass rate.	N/A
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	Southern Illinois University agreement for their IMAE program Illinois Institute of Technology for their Applied Engineering program Governors State for their Industrial Management Program We have a transfer office that offers assistance with transferring to many other institutions.
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	DC Grant Writing Workshop	FT	1
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3.15 What professional development	Talents in teaching Workshop	PT	2
or training is offered to adjunct and	Zeiss CMM Training	Both	3
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	Tensile Tesster Training	FT	1
	SME Heat Treating Workshop	FT	1
	Hexagon Metrolgy CMM Training	FT	1
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3.21 How often does the prog advisory committee meet?	gram	The sem com dist app	The advisory committee meets twice per year. Once in the Spring semester and once in the Fall semester. We share our advisory committee with Wilbur Wright College who also is in our CCC district and offers a CNC BC and AC program. We have had approximate 40 attendees at our recent advisory board meetings.				
3.22 How satisfied are employers in the preparation of the program's graduates?			We will be conducting employer surveys in the fall of 2019 to quantitatively determine employer satisfaction. Feedback has been good and interest high in pursuing program graduates to local firms that perform these manufacturing functions				
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DAT	A ANAL	YSIS	FOR CTE PR	OGRAM REVI	EW		
Please complete for each progr or report on enrollment and cor	ram review npletion d <u>most rece</u> r	ved. C ata in nt 5 y	colleges may rep adividually for ea ear longitudinal	ort aggregated o ach certificate w data available.	lata from the pa ithin the progra	rent program m. Provide the	
CTE Program	CNC MA	ACHIN	lING				
CIP CODE	000725	ō					
	YEAR	1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	
Number of Students Enrolled	163	1	181	137	127	131	
Number of Completers	0		1	0	0	0	
Total enrollment in classes	201		256	163	130	203	

How does the data support<br/>the program goals?The main goal of this CTE program is to prepare students for employment in<br/>their field of study. The program has seen declining enrollment and efforts<br/>over the past 3 years to improve the program have been significant and now

	having been recently implemented allow renewed effort and focus on recruiting and enrollment to attract students to the exciting world of advanced manufacturing with our new facilities, equipment and planned curriculum. The plan is to reverse the declining enrollment and provide a new source of competitive advantage for advanced manufacturing and engineering in the region through this newly and substantially revised program.					
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explain.	CCC District	31.1%	44.5%	14.4%		
-	Chicago	32.4%	28.9%	31.7%		
Are the students served in this program representative of the district population? Please explain.	See the data above. The Advan percentage African American t Advanced Manufacturing prog students than the district and t institution which reflects the s	ced Manufacturing pro han the city, district an ram has a higher perce he city. Richard J. Dale urrounding community	ogram has a d college. <i>A</i> ntage of His ey is a Hispa 7.	higher Also the spanic unic serving		
	<b>REVIEW RESULT</b>	rs				
Action	<ul> <li>☑ Continued with Minor Improvements</li> <li>□ Significantly Modified</li> <li>□ Placed on Inactive Status</li> <li>□ Discontinued/Eliminated</li> <li>□ Other (please specify)</li> </ul>					
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	There is great student interest in this CTE pathway and there is great employer interest in this pathway. We have a brand new facility and extensive new equipment to perform great training activities for our students, community members and employers. We have seen good initial results in our progress on improving the program					
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	<ol> <li>results in our progress on improving the program.</li> <li>1. Implement Employer satisfaction survey</li> <li>2. Implement graduate satisfaction survey</li> <li>3. Complete course revisions underway</li> <li>4. Continue renewed recruitment activities</li> </ol>					

Career & Technical Education						
College Name:		Richard J. Daley College				
Fiscal Year in	I REVIEW:	2019				
<b>Program Identification Information</b>						
Program Title	Degree or Cert	TOTAL CREDIT HOURS HOURS HOURS HOURS HOURS HOURS HOURS HINT CIP CODE HIST ALL CERTIFICA PROGRAMS THAT AR STACKABLE WITHIN T PARENT DEGREE				
Industrial Welding	BC	6	000423	N/A		
Address all fields in the tem the program, please be	plate. If th sure to spe	ere are certificat ecify and sufficier stackable crede	es and/or other sta ntly address all que ntial.	nckable credentials within stions regarding each		
<b>Program Objectives</b> What are the overarching objectives/goals of the prog	Program ObjectivesStudents in this program will study manufacturing materials a processes, including basic metallurgy and electricity, as well a print reading and fundamental quality assurance concepts.Objectives/goals of the program?					
To what extent are these ob being achieved?	jectives	Students demons through practical	strate their success in I hands on demonstr	achieving these objectives ation of skills.		
<b>Past Program Review A</b> What action was reported la the program was reviewed?	c <b>tion</b> Ist time	No actions found in prior reviews.				
CTE PROGRAM REVIEW ANALYSIS Complete the following fields data sets but summarize the c may be attached. The review information is provided.	CTE PROGRAM REVIEW ANALYSIS Complete the following fields and provide concise information where applicable. Please do not insert full data sets but summarize the data to completely answer the questions. Concise tables displaying this data may be attached. The review will be sent back if any of the below fields are left empty or inadequate information is provided					
List all pre-requisites for thi program (courses, placemer etc.).	s 1t scores,	Eligibility for Math 99 and English 96				
Please list or attach all required courses (including titles) for completion of this program institution required courses student success, first year, geducation requirements, etc	ired including (e.g. eneral .).	Basic Certificate (0423)         Manufacturing Tech TC1 (0340)         151 Introduction to Welding         152 Intermediate Welding         3         Total Program Credit Hours         6 Credit         Hours				

Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	N/A						
INDICATOR 1: NEED		RESPONSE					
1.1 How strong is the occupational demand for the program?	With the increased retirements of the baby boomer generation, the skills gap in manufacturing is widening. Though headlines capture the fact that industry is offshoring and moving out of high wage rate areas reducing the overall job pool the actual quantity of openings and available jobs continue to grow due to the pace of retirements out pacing the rate of reduction in manufacturing jobs. With this, the job market is very strong and the need for 						
1.2 How has demand changed in the past five years and what is the outlook for the next five years?	The rate of decrease in total jobs in the industry has decreased and the increased rate of open jobs due to increased retirements have produced an environment with more job openings and more opportunities for skilled employees.         Historical Analysis and Future Outlook         SOC       SOC Description         2011 - 2016       2016 - 2021         51-4122       Welding					lecreased retirements igs and more	
1.3 What is the district and/or regional need?	Chicago resides within Cook County, which represents the ;argest percentage of jobs in Illinois (43% as of Q4 2015) (source: www.bls.gov/regions) . Therefore, please refer to the response above (question 12) for indication of regional as well as local needs.						

1.4 How are students recruited for this program?	Daley's Recruitment Team has several ongoing recruitment initiatives particularly geared toward Advanced Manufacturing. In the last several months, we have provided tours at MTEC for twelve local high schools, exposing our new facility to an estimated 475 students, including 150 who attended MTEC's Spring Open House in May. Bogan HS, Kennedy HS and Hubbard HS recently participated in Maker Space workshops; three students who participated in the Maker Space workshops registered for the Advanced Manufacturing program, with more anticipated to complete testing and eventual enrollment in the program. The enrollment team has also assisted students with on and off site pre-registration workshops, reaching approximately 200 students recently. A total of ten New Student Orientations have been completed since in the past few months, totaling 175 attendees, and 110 enrolled for Summer or Fall terms as of May 29, 2019.					
1.5 Where are students recruited from?	Over the past seven years, the recruitment team has built and maintained a high level of communication with our network of college and career coaches, college counselors at both private and public institutions, and the CPS network team in building partnerships with our local feeder high schools. These relationships have allowed the Daley team to have high visibility and ongoing contact with students, teachers and parents at events throughout the district. Such events include classroom presentations, application workshops, parent presentations, parent advisory meetings, and coordinating financial aid and advising workshops for students entering Daley College. Further, we also recruit from local employers by offering classes at schedules convenient for working adults with either am or pm					
1.6 Did the review of program need result in actions or modifications? Please explain.	New recruiting strategies as outlined above are being implemented. Also, new courses are being developed to allow this certificate to stack into an AC and subsequently an AAS.					
INDICATOR 2:						
Cost Effectiveness		<b>XESPUNSE</b>				
	Credit Unit Cost Calc	FY 2017				
	Salaries	\$ 216,238	_			
2.1 What are the costs associated	Benefits	\$ 19,978	-			
with this program?	Services	\$ 12,767	-			
	Supplies and Equipment	\$ 8,720	-			
	Budget total	\$ 257,703				
	Budget total	\$ 257 703				
	Credits	1038				
2.2 How do costs compare to other	Cost per Creidt Hour	\$ 248				
programs on campus?						
	Daley Average	\$161				
	CCC Average	\$268				

2.3 How is the college paying for this program and its costs (e.g. grants, etc.)?	This program is mainly supported by tuition and fees. Perkins also provides substantial support for supplemental purposes such as new equipment and replacement equipment and does not affect the sustainability of the program.
2.4 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? Please explain.	N/A
2.5 Did the review of program cost result in any actions or modifications? Please explain.	The new pursuit of grant funding is being developed into a new capability for our organization to provide the ability to maintain our high level of program curriculum and educational capacity with up to date equipment and instruction.
INDICATOR 3: QUALITY	Response
3.1 What are the program's strengths?	We have a new Manufacturing Technology and Engineering Center that now provides state of the art advanced manufacturing and engineering facilities and equipment that allows us to renew curriculum and hands on training to reflect current technology as well as to provide an exciting environment to help build interest and enrollment in this program. The facility and equipment is the result of industry partner and advisory board input during the life of the project to ensure that current industry needs are fulfilled by the new capabilities. With this we are developing new courses to expand offerings in the various manufacturing technologies.
3.2 What are the identified or potential weaknesses of the program?	Recruiting and marketing efforts have been recently upgraded and approaches re-designed and it is too early to determine effectiveness. The new facility and equipment are an asset with recruiting and we have markedly increased interest and excitement and are waiting to see how these new efforts result in increased enrollment.
3.3 What are the delivery methods of this program? (e.g. traditional format/online/hybrid/team- teaching etc.)?	Courses are delivered in a traditional lecture and lab format in these classes. We have begun to offer accelerated mini sections of classes to allow students to complete two classes in one semester during successive 8 week mini sessions which has had good initial success. We wil continue to try innovative scheduling methods of delivery.
3.4 How does this program fit into a career pathway?	This basic certificate can lead to entry level positions in manufacturing positions such as welding, Soldering, and Brazing Machine Setter, Operator, and Tender, in these positions an employee would set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	New training equipment that includes modern controls and sensor technology has been implemented in our new lab facility to provide foundational skills and building blocks to train students on. These technologies include automation and manual technologies and include hands on skill demonstration to improve the training experience. Equipment manufacturing partners and training equipment partners were consulted with in addition to employer partners to develop this equipment configuration.

3.6 Are there dual credit opportunities? If so please list offerings and the associated high schools.	We are currently working with a Chicago Public School High Schools on CNC Machining programs at Austin Tech. and Bowen HS. We are working with Prosser HS to develop a welding lab and CAD dual credit training space on their campus. The Prosser facilities are being constructed over the summer of 2019 and expect to develop the program for the following term. We are working other local schools such as Bowen and Hubbard to take advantage of their close proximity to our campus and new facilities to implement dual credit programs.
3.7 What work-based learning opportunities are available and integrated into the curriculum?	Each student has practical hands on training with industrial grade equipment as part of the lab experience. In the labs in addition to demonstration of proper technique and knowledge of equipment, students frequently perform projects and design and build items for use in our facilities. Examples include building the new welding tables that will be used on our new welding lab and this past winter performing weld repair on the college snow plow to repair damage.
3.8 Is industry accreditation required for this program (e.g. nursing)? If so, identify the accrediting body. Please also list if the college has chosen to voluntarily seek accreditation (e.g. automotive technology, NATEF).	Industry accreditation is not required for this program. We follow American Welding Society standards and teach AWS standards and qualify students to perform to AWS weld standards as a method to standardize and ensure quality in this program.
3.9 Are industry-recognized credentials offered? If so, please list.	As stated above, we work to qualify students to AWS standards for certain welds so that they can be subsequently certified if required by their employer.
3.10 Is this an apprenticeship program? If so, please elaborate.	We have an apprenticeship opportunity available with a local rapid transit seating manufacturer. Students take classes 2 days per week and work part time to complement the training in each setting. We currently have one cohort progressing and are working on a second cohort to begin this program in Fall of 19. We are working with other manufacturers to develop apprenticeships. We applied for and obtained a grant to develop apprenticeship navigator infrastructure for these programs as a pilot project.
3.11 If applicable, please list the licensure examination pass rate.	N/A
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	Southern Illinois University agreement for their IMAE program Illinois Institute of Technology for their Applied Engineering program Governors State for their Industrial Management Program We have a transfer office that offers assistance with transferring to many other institutions.
3.13 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	We have formed several new partnerships including: American Gear Manufacturing Association to establish a National Gear manufacturing Training Center on Campus, National Coalition of Certificaiton Centers to bring new training curriculum to our programs, Lincoln Electric to bring state of the art equipment to this program, Calumet Area Industrial Commission to bring the Promise Grant tuition, Books and Supplies scholarships to this program. Among others.

3.14 What is the faculty to student ratio for courses in this program? Please provide a range and average.	Class sizes are limited to 15 students and the range is 4 to 15 and the average is 7.6 over the past 5 years.				
	Professional Development	FT/PT	Program Faculty Attendance		
	Zeiss SEM Training	Both	4		
	NC3 Metrology Training	Both	2		
	NC3 Termination Training	PT	1		
	NC3 Torque Training	FT	1		
	DC Grant Writing Workshop	FT	1		
2.15 What professional development	Fanuc Training for CNC	PT	1		
or training is offered to adjunct and	Talents in teaching Workshop	PT	2		
full time fegulty that may increase	Zeiss CMM Training	Both	3		
the quality of this program?	Hiden Gas Analyzer Training	FT	2		
the quality of this program:	Tensile Tesster Training	FT	1		
	SME Heat Treating Workshop	FT	1		
	Hexagon Metrolgy CMM Training	FT	1		
	Miller Welding Instructor Training	FT	2		
	Master CAM Certification Workshop	Both	4		
	IPG Laser Training	Both	3		
	Greenlee NC3 Workshop F		1		
	AWS Certified Welding Instrution Workshop	FT	1		
	Major Scientific Training	FT	1		
3.16 What is the status of the current technology and equipment used for this program?	The facilities and equipment for this program are in a new \$45MM, 50K Sq. Ft building, with \$5MM of new advanced manufacturing equipment to support this program as well as the other programs in our engineering and advanced manufacturing pathways. This new equipment allows training on state of the art equipment in a exciting new facility and allows us to expand				
3.17 What assessment methods are used to ensure student success?	Course evaluation surveys are completed by students in courses taught by adjunct professors, Embedded techniques include hands on performance of skills such as demonstration of production of a specific part to a blueprint utilizing the process being taught. We are in the process of implementing a Graduate Completion survey as well as a Employer Satisfaction survey as described in sections 3.18 and section 3.22.				
3.18 How satisfied are students with their preparation for employment?	We are planning to develop a Graduate Follow up survey to determine student satisfaction with preparation of employment. The plan is to develop and implement this survey for the graduates from each spring semester beginning in the spring of 2020. The plan is for this survey to be administered to completers prior to their leaving campus at the end of the spring semester each year.				
3.19 How is student satisfaction information collected?	The plan for the graduate Follow up survey above.	is outline	ed in 3/18		

3.20 How are employers enga this program? (e.g. curriculun design, review, placement, wo based learning opportunities)	Employers have been engaged in numerous ways in this program including through advisory boards, new facility layout reviews for the new building, equipment selection decisions for the new facility, curriculum reviews for course revisions and new course development, presentation of career options to classes, participation in career exploration expo events, designing work study opportunities, suggestions for new curriculum, recruitment assistance and being open for tours and exposure of students to their processes and equipment to generate interest in persistence with pursuing completion.					
3.21 How often does the program advisory committee meet?			The advisory committee meets twice per year. Once in the Spring semester and once in the Fall semester. We share our advisory committee with Wilbur Wright College who also is in our CCC district and offers a CNC BC and AC program. We have had approximate 40 attendees at our recent advisory board meetings.			
3.22 How satisfied are employ the preparation of the progra graduates?	yers in m's	We will be conducting employer surveys in the fall of 2019 to quantitatively determine employer satisfaction. Feedback has been good and interest high in pursuing program graduates to local firms that perform these manufacturing functions.				of 2019 to edback has raduates to ons.
3.23 How is employer satisfact information collected?	ction	We will be surveying employers in the Fall 2019 semester and will pursue this survey electronically and in person at the fall advisory board meeting. The plan is to take this survey once per year going forward.				mester and at the fall vey once per
3.24 Did the review of program quality result in any actions or modifications? Please explain.Review of the program resulted in the of of the new MTEC facility. Also, we are no course offerings to reflect current indu with the intention of being aspirational pursue careers in engineering and adva beyond their initial interests due to the				he construction ire revising and industry demand inal and allowin idvanced manuf the nature of th ies offered.	and equipping expanding s and inputs g students to acturing e new	
DAT	'A ANAL	YSIS	FOR CTE PR	OGRAM REVI	EW	
Please complete for each progr	am review	ved. C	colleges may rep	ort aggregated o	lata from the pa	rent program
or report on enrollment and cor	npletion da most recer	ata in	idividually for ea	ich certificate w data available	ithin the progra	m. Provide the
CTE Program	INDUSTR	IL S Y RIAL V	WELDING			
CIP CODE	000423					
	YEAR	1	YEAR 2	Year 3	YEAR 4	Year 5
Number of Students Enrolled	163		181	137	127	131
Number of Completers	0		0	62	26	14
Other (Please identify)	201		256	163	130	203

How does the data support<br/>the program goals?<br/>Elaborate.The main goal of this CTE program is to prepare students for employment in<br/>their field of study. The program has seen declining enrollment and efforts<br/>over the past 3 years to improve the program have been significant and now<br/>having been recently implemented allow renewed effort and focus on

	recruiting and enrollment to attract students to the exciting world of advanced manufacturing with our new facilities, equipment and planned curriculum. The plan is to reverse the declining enrollment and provide a new source of competitive advantage for advanced manufacturing and engineering in the region through this newly and substantially revised program.					
What disaggregated data was reviewed?	Demographic data was review the district.	ed against the populat	ion of the c	ollege and		
Were there gaps in the data? Please explain.	There were no gaps in the data	a observed.				
What is the college doing to overcome any identifiable gaps?	The college is working on an equity plan to ensure all students have supports needed to meet their goals. Tutoring programs, early alert systems, instructor awareness, and additional creative supports such as a food pantry have been provided and are continuing to be developed.					
Are the students served in		FY 18 - 19		14/1-1		
this program		African American	Hispanic	White		
representative of the total student population? Please explain.	Daley College	20.2%	60.8%	16.1%		
	Advanced Manufacturing	38.0%	50.0%	10.0%		
	CCC District	31.1%	44.5%	14.4%		
	Chicago	32.4%	28.9%	31.7%		
this program representative of the district population? Please explain.	See the data above. The Advanced Manufacturing program has a higher percentage African American than the city, district and college. Also the Advanced Manufacturing program has a higher percentage of Hispanic students than the district and the city. Richard J. Daley is a Hispanic serving institution which reflects the surrounding community.					
<b>Review Results</b>						
Action	<ul> <li>☑ Continued with Minor Improvements</li> <li>□ Significantly Modified</li> <li>□ Placed on Inactive Status</li> <li>□ Discontinued/Eliminated</li> <li>□ Other (places specify)</li> </ul>					
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	There is great student interest in this CTE pathway and there is great employer interest in this pathway. We have a brand new facility and extensive new equipment to perform great training activities for our students, community members and employers. We have seen good initial results in our progress on improving the program					
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	1. IMPLEMENT EMPLOYER SATISFACTION SURVEY         2. IMPLEMENT GRADUATE SATISFACTION SURVEY         3. COMPLETE COURSE REVISIONS UNDERWAY         4. CONTINUE RENEWED RECRUITMENT ACTIVITIES					

(	Career & Technical Education				
Colle	GE NAME:	Richard J. Da	ley College		
Fiscal Year in	NREVIEW:	2019			
	Program	M IDENTIFICATIO	N INFORMATION		
Program Title	Degree or Cert	Total Credit Hours	6-DIGIT CIP CODE	LIST ALL CERTIFICATE PROGRAMS THAT ARE STACKABLE WITHIN THE PARENT DEGREE	
Welding – Industrial Technology	BC	13	000827	N/A	
Address all fields in the template. If there are certificates and/or other stackable credentials within the program, please be sure to specify and sufficiently address all questions regarding each stackable credential.					
<b>Program Objectives</b> What are the overarching objectives/goals of the prog	;ram?	Students in this program will study manufacturing materials and processes, including basic metallurgy and electricity, as well as print reading and fundamental quality assurance concepts.			
To what extent are these ob being achieved?	jectives	Students demons through practica	strate their success in l hands on demonstra	achieving these objectives ation of skills.	
<b>Past Program Review A</b> What action was reported la the program was reviewed?	c <b>tion</b> ast time	No actions found in prior reviews.			
CTE PROGRAM REVIEW ANALYSIS Complete the following fields and provide concise information where applicable. Please do not insert full data sets but summarize the data to completely answer the questions. Concise tables displaying this data may be attached. The review will be sent back if any of the below fields are left empty or inadequate information is provided.					
List all pre-requisites for thi program (courses, placemer etc.).	.s nt scores,	Eligibility for Mat	th 99 and English 96		

	Basic	Certificate	(0827	7)		
Please list or attach all required courses (including titles) for completion of this program including institution required courses (e.g. student success, first year, general education requirements, etc.).	Short-Tu 131 Mac 132 Intr 133 Inte 134 Blu 135 Adv Total P Hours	erm Trade/Inc chine Shop Ma roduction to W ermediate Wel eprint Reading vanced Welding Program Credi	lustrial themat elding ding g for We g t <b>t Hour</b>	/Trans (050 ics I Principles elders <b>s</b>	4)	2 3 2 3 <b>13 Credit</b>
Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	N/A					
INDICATOR 1: NEED	Response					
1.1 How strong is the occupational demand for the program?	With the increased retirements of the baby boomer generation, the skills gap in manufacturing is widening. Though headlines capture the fact that industry is offshoring and moving out of high wage rate areas reducing the overall job pool the actual quantity of openings and available jobs continue to grow due to the pace of retirements out pacing the rate of reduction in manufacturing jobs. With this, the job market is very strong and the need for skilled personnel in all areas of manufacturing is a current number one priority for manufacturers. It is expected that there are 2 unfilled jobs for every placement in advanced manufacturing.Hourly Earnings (\$ MED)Entry Level EducationSOCSOC Description141611HS or Equivalent					
1.2 How has demand changed in the	The rate of decrease in total jobs in the industry has decreased and the increased rate of open jobs due to increased retirements have produced an environment with more job openings and more opportunities for skilled employees.					
outlook for the next five years?	HISTORI	cai Anaiysis a	ina Fut	ure Outiool	<u>{</u>	
	soc	SOC Descri	ption	Cnange % 2011 - 2016	Change 2016 - 2	e % 021
	51-412	.22 Welding		-79	6 - 2	16%
1.3 What is the district and/or regional need?	Chicago percent www.bl above (o needs.	resides withir age of jobs in I s.gov/regions) question 12) fo	Cook ( llinois ( . Ther or indica	County, whic 43% as of Q efore, please ation of regio	h represe 4 2015) (s refer to t onal as we	nts the ;argest source: he response ell as local

1.4 How are students recruited for this program?	Daley's Recruitment Team has several ongoing recruitment initiatives particularly geared toward Advanced Manufacturing. In the last several months, we have provided tours at MTEC for twelve local high schools, exposing our new facility to an estimated 475 students, including 150 who attended MTEC's Spring Open House in May. Bogan HS, Kennedy HS and Hubbard HS recently participated in Maker Space workshops; three students who participated in the Maker Space workshops registered for the Advanced Manufacturing program, with more anticipated to complete testing and eventual enrollment in the program. The enrollment team has also assisted students with on and off site pre-registration workshops, reaching approximately 200 students recently. A total of ten New Student Orientations have been completed since in the past few months, totaling 175 attendees, and 110 enrolled for Summer or Fall terms as of May 29, 2019.						
1.5 Where are students recruited from?	Over the past seven years, the recruitment team has built and maintained a high level of communication with our network of college and career coaches, college counselors at both private and public institutions, and the CPS network team in building partnerships with our local feeder high schools. These relationships have allowed the Daley team to have high visibility and ongoing contact with students, teachers and parents at events throughout the district. Such events include classroom presentations, application workshops, parent presentations, parent advisory meetings, and coordinating financial aid and advising workshops for students entering Daley College. Further, we also recruit from local employers by offering classes at schedules convenient for working adults with either am or pm						
1.6 Did the review of program need result in actions or modifications? Please explain.	New recruiting strategies as outlined above are being implemented. Also, new courses are being developed to allow this certificate to stack into an AC and subsequently an AAS.						
INDICATOR 2:	<b>D</b>						
Cost Effectiveness		<b>XESPUNSE</b>					
	Credit Unit Cost Calc	FY 2017					
	Salaries	\$ 216,238	_				
2.1 What are the costs associated	Benefits	\$ 19,978	-				
with this program?	Services	\$ 12,767	-				
	Supplies and Equipment	\$ 8,720	-				
	Budget total	\$ 257,703					
	Budget total	\$ 257 703					
	Credits	1038					
2.2 How do costs compare to other	Cost per Creidt Hour	\$ 248					
programs on campus?							
	Daley Average	\$161					
	CCC Average	\$268					

2.3 How is the college paying for this program and its costs (e.g. grants, etc.)?	This program is mainly supported by tuition and fees. Perkins also provides substantial support for supplemental purposes such as new equipment and replacement equipment and does not affect the sustainability of the program.
2.4 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? Please explain.	N/A
2.5 Did the review of program cost result in any actions or modifications? Please explain.	The new pursuit of grant funding is being developed into a new capability for our organization to provide the ability to maintain our high level of program curriculum and educational capacity with up to date equipment and instruction.
INDICATOR 3: QUALITY	Response
3.1 What are the program's strengths?	We have a new Manufacturing Technology and Engineering Center that now provides state of the art advanced manufacturing and engineering facilities and equipment that allows us to renew curriculum and hands on training to reflect current technology as well as to provide an exciting environment to help build interest and enrollment in this program. The facility and equipment is the result of industry partner and advisory board input during the life of the project to ensure that current industry needs are fulfilled by the new capabilities. With this we are developing new courses to expand offerings in the various manufacturing technologies.
3.2 What are the identified or potential weaknesses of the program?	Recruiting and marketing efforts have been recently upgraded and approaches re-designed and it is too early to determine effectiveness. The new facility and equipment are an asset with recruiting and we have markedly increased interest and excitement and are waiting to see how these new efforts result in increased enrollment.
3.3 What are the delivery methods of this program? (e.g. traditional format/online/hybrid/team- teaching etc.)?	Courses are delivered in a traditional lecture and lab format in these classes. We have begun to offer accelerated mini sections of classes to allow students to complete two classes in one semester during successive 8 week mini sessions which has had good initial success. We wil continue to try innovative scheduling methods of delivery.
3.4 How does this program fit into a career pathway?	This basic certificate can lead to entry level positions in manufacturing positions such as welding, Soldering, and Brazing Machine Setter, Operator, and Tender, in these positions an employee would set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	New training equipment that includes modern controls and sensor technology has been implemented in our new lab facility to provide foundational skills and building blocks to train students on. These technologies include automation and manual technologies and include hands on skill demonstration to improve the training experience. Equipment manufacturing partners and training equipment partners were consulted with in addition to employer partners to develop this equipment configuration.

3.6 Are there dual credit opportunities? If so please list offerings and the associated high schools.	We are currently working with a Chicago Public School High Schools on CNC Machining programs at Austin Tech. and Bowen HS. We are working with Prosser HS to develop a welding lab and CAD dual credit training space on their campus. The Prosser facilities are being constructed over the summer of 2019 and expect to develop the program for the following term. We are working other local schools such as Bowen and Hubbard to take advantage of their close proximity to our campus and new facilities to implement dual credit programs.
3.7 What work-based learning opportunities are available and integrated into the curriculum?	Each student has practical hands on training with industrial grade equipment as part of the lab experience. In the labs in addition to demonstration of proper technique and knowledge of equipment, students frequently perform projects and design and build items for use in our facilities. Examples include building the new welding tables that will be used on our new welding lab and this past winter performing weld repair on the college snow plow to repair damage.
3.8 Is industry accreditation required for this program (e.g. nursing)? If so, identify the accrediting body. Please also list if the college has chosen to voluntarily seek accreditation (e.g. automotive technology, NATEF).	Industry accreditation is not required for this program. We follow American Welding Society standards and teach AWS standards and qualify students to perform to AWS weld standards as a method to standardize and ensure quality in this program.
3.9 Are industry-recognized credentials offered? If so, please list.	As stated above, we work to qualify students to AWS standards for certain welds so that they can be subsequently certified if required by their employer.
3.10 Is this an apprenticeship program? If so, please elaborate.	We have an apprenticeship opportunity available with a local rapid transit seating manufacturer. Students take classes 2 days per week and work part time to complement the training in each setting. We currently have one cohort progressing and are working on a second cohort to begin this program in Fall of 19. We are working with other manufacturers to develop apprenticeships. We applied for and obtained a grant to develop apprenticeship navigator infrastructure for these programs as a pilot project.
3.11 If applicable, please list the licensure examination pass rate.	N/A
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	Southern Illinois University agreement for their IMAE program Illinois Institute of Technology for their Applied Engineering program Governors State for their Industrial Management Program We have a transfer office that offers assistance with transferring to many other institutions.
3.13 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	We have formed several new partnerships including: American Gear Manufacturing Association to establish a National Gear manufacturing Training Center on Campus, National Coalition of Certificaiton Centers to bring new training curriculum to our programs, Lincoln Electric to bring state of the art equipment to this program, Calumet Area Industrial Commission to bring the Promise Grant tuition, Books and Supplies scholarships to this program. Among others.

3.14 What is the faculty to student ratio for courses in this program? Please provide a range and average.	Class sizes are limited to 15 students and the range is 4 to 15 and the average is 7.6 over the past 5 years.				
	Professional Development	FT/PT	Program Faculty Attendance		
	Zeiss SEM Training	Both	4		
	NC3 Metrology Training	Both	2		
	NC3 Termination Training	PT	1		
	NC3 Torque Training	FT	1		
	DC Grant Writing Workshop	FT	1		
2.15 What professional development	Fanuc Training for CNC	PT	1		
or training is offered to adjunct and	Talents in teaching Workshop	PT	2		
full time fegulty that may increase	Zeiss CMM Training	Both	3		
the quality of this program?	Hiden Gas Analyzer Training	FT	2		
the quality of this program:	Tensile Tesster Training	FT	1		
	SME Heat Treating Workshop	FT	1		
	Hexagon Metrolgy CMM Training	FT	1		
	Miller Welding Instructor Training	FT	2		
	Master CAM Certification Workshop	Both	4		
	IPG Laser Training	Both	3		
	Greenlee NC3 Workshop F		1		
	AWS Certified Welding Instrution Workshop	FT	1		
	Major Scientific Training	FT	1		
3.16 What is the status of the current technology and equipment used for this program?	The facilities and equipment for this program are in a new \$45MM, 50K Sq. Ft building, with \$5MM of new advanced manufacturing equipment to support this program as well as the other programs in our engineering and advanced manufacturing pathways. This new equipment allows training on state of the art equipment in a exciting new facility and allows us to expand				
3.17 What assessment methods are used to ensure student success?	Course evaluation surveys are completed by students in courses taught by adjunct professors, Embedded techniques include hands on performance of skills such as demonstration of production of a specific part to a blueprint utilizing the process being taught. We are in the process of implementing a Graduate Completion survey as well as a Employer Satisfaction survey as described in sections 3.18 and section 3.22.				
3.18 How satisfied are students with their preparation for employment?	We are planning to develop a Graduate Follow up survey to determine student satisfaction with preparation of employment. The plan is to develop and implement this survey for the graduates from each spring semester beginning in the spring of 2020. The plan is for this survey to be administered to completers prior to their leaving campus at the end of the spring semester each year.				
3.19 How is student satisfaction information collected?	The plan for the graduate Follow up survey above.	is outline	ed in 3/18		

3.20 How are employers engaged in this program? (e.g. curriculum design, review, placement, work- based learning opportunities)			Employers have been engaged in numerous ways in this program including through advisory boards, new facility layout reviews for the new building, equipment selection decisions for the new facility, curriculum reviews for course revisions and new course development, presentation of career options to classes, participation in career exploration expo events, designing work study opportunities, suggestions for new curriculum, recruitment assistance and being open for tours and exposure of students to their processes and equipment to generate interest in persistence with pursuing completion.				
3.21 How often does the program advisory committee meet?			The advisory committee meets twice per year. Once in the Spring semester and once in the Fall semester. We share our advisory committee with Wilbur Wright College who also is in our CCC district and offers a CNC BC and AC program. We have had approximate 40 attendees at our recent advisory board meetings.				
3.22 How satisfied are employ the preparation of the progra graduates?	yers in m's	We quar beer loca	will be conducti ntitatively deter n good and inter l firms that perf	ng employer sur mine employer : est high in purs orm these manu	veys in the fall o satisfaction. Feo uing program gr facturing functi	of 2019 to edback has raduates to ons.	
3.23 How is employer satisfaction information collected?	ction	We will be surveying employers in the Fall 2019 semester and will pursue this survey electronically and in person at the fall advisory board meeting. The plan is to take this survey once p year going forward.				mester and at the fall vey once per	
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<b>DA1</b> Please complete for each progr or report on enrollment and cor	<b>FA ANALS</b> cam review npletion da most recer	Y <b>SIS</b> ved. C ata in nt 5 ye	FOR CTE PR olleges may rep dividually for ea ear longitudinal	OGRAM REVI ort aggregated c ich certificate w data available.	<b>EW</b> lata from the pa ithin the progra	rent program m. Provide the	
CTE Program	Weldin	G – I.	NDUSTRIAL TEC	'HNOLOGY			
CIP Code	000827	7					
	YEAR	1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	
Number of Students Enrolled	163		181	137	127	131	
Number of Completers	0		0	0	0	0	
Total Enrollment in classes	201		256	163	130	203	
How does the data support the program goals? Elaborate.	The main goal of this CTE program is to prepare students for employment in their field of study. The program has seen declining enrollment and efforts over the past 3 years to improve the program have been significant and now						

	having been recently implemented allow renewed effort and focus on recruiting and enrollment to attract students to the exciting world of advanced manufacturing with our new facilities, equipment and planned curriculum. The plan is to reverse the declining enrollment and provide a new source of competitive advantage for advanced manufacturing and engineering in the region through this newly and substantially revised program.						
What disaggregated data was reviewed?	Demographic data was reviewed against the population of the college and the district.						
Were there gaps in the data? Please explain.	There were no gaps in the data	There were no gaps in the data observed.					
What is the college doing to overcome any identifiable gaps?	The college is working on an equity plan to ensure all students have supports needed to meet their goals. Tutoring programs, early alert systems, instructor awareness, and additional creative supports such as a food pantry have been provided and are continuing to be developed						
		FY 18 - 19					
Are the students served in		African American	Hispanic	White			
this program	Daley College	20.2%	60.8%	16.1%			
student population? Please	Advanced Manufacturing	38.0%	50.0%	10.0%			
explain.	ĆĆĆ District	31.1%	44.5%	14.4%			
•	Chicago	32.4%	28.9%	31.7%			
Are the students served in this program representative of the district population? Please explain.	See the data above. The Advanced Manufacturing program has a higher percentage African American than the city, district and college. Also the Advanced Manufacturing program has a higher percentage of Hispanic students than the district and the city. Richard J. Daley is a Hispanic serving institution which reflects the surrounding community,						
	<b>Review Result</b>	TS					
Action	<ul> <li>Continued with Minor Improvements</li> <li>Significantly Modified</li> <li>Placed on Inactive Status</li> <li>Discontinued/Eliminated</li> <li>Other (please specify)</li> </ul>						
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	There is great student interest in this CTE pathway and there is great employer interest in this pathway. We have a brand new facility and extensive new equipment to perform great training activities for our students, community members and employers. We have seen good initial results in our progress on improving the program						
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	<ol> <li>IMPLEMENT EMPLOYER S</li> <li>IMPLEMENT GRADUATE S</li> <li>COMPLETE COURSE REVIS</li> <li>CONTINUE RENEWED REV</li> </ol>	SATISFACTION SURVEY SATISFACTION SURVEY SIONS UNDERWAY CRUITMENT ACTIVITIES					

Career & Technical Education							
Colle	ge Name:	Richard J. Da	Richard J. Daley College				
Fiscal Year in	2019						
	<i>IDENTIFICATIO</i>	N INFORMATION					
Program Title	Degree or Cert	Total Credit Hours	6-DIGIT CIP CODE	LIST ALL CERTIFICATE PROGRAMS THAT ARE STACKABLE WITHIN THE PARENT DEGREE			
Quality Assurance	BC	16	000729	N/A			
Address all fields in the tem the program, please be	plate. If th sure to spe	ere are certificat cify and sufficier stackable crede	es and/or other sta atly address all que ntial.	ckable credentials within stions regarding each			
<b>Program Objectives</b> What are the overarching objectives/goals of the prog	Quality assurance professionals use precision measurement and statistical tools to verify that products and services meet blueprint requirements and expectations. This certificate program provides foundational skills for quality assurance in manufacturing such as print reading, geometric dimensioning and tolerancing, and statistical process control.						
To what extent are these ob being achieved?	jectives	Students demonstrate their success in achieving these objectives through practical hands on demonstration of skills.					
<b>Past Program Review A</b> What action was reported la the program was reviewed?	c <b>tion</b> Ist time	No actions found in prior reviews.					
CTE PROGRAM REVIEW ANALYSIS Complete the following fields and provide concise information where applicable. Please do not insert full data sets but summarize the data to completely answer the questions. Concise tables displaying this data may be attached. The review will be sent back if any of the below fields are left empty or inadequate information is provided.							
List all pre-requisites for thi program (courses, placemer etc.).	s it scores,	Eligibility for Ma	h 99 and English 96				

	Basic Certificate (0729)				
Please list or attach all required courses (including titles) for completion of this program including institution required courses (e.g. student success, first year, general education requirements, etc.).	Mathematics (0045)125 Introductory Statistics				
Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	N/A				
INDICATOR 1: NEED	Response				
	With the increased retirements of the baby boomer generation the skills gap in manufacturing is widening. Though headlines capture the fact that industry is offshoring and moving out of h wage rate areas reducing the overall job pool the actual quantit of openings and available jobs continue to grow due to the pace retirements out pacing the rate of reduction in manufacturing jobs. With this, the job market is very strong and the need for skilled personnel in all areas of manufacturing is a current number one priority for manufacturers. It is expected that the are 2 unfilled jobs for every placement in advanced manufacturing.				
1.1 How strong is the occupational demand for the program?	capture the fact that industry is offshoring and moving out of wage rate areas reducing the overall job pool the actual qua of openings and available jobs continue to grow due to the p retirements out pacing the rate of reduction in manufacturin jobs. With this, the job market is very strong and the need f skilled personnel in all areas of manufacturing is a current number one priority for manufacturers. It is expected that t are 2 unfilled jobs for every placement in advanced manufacturing.	nes of high ntity pace of ng or there			
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	The rate of decrease in total jobs in the industry has decreased and the increased rate of open jobs due to increased retirements have produced an environment with more job openings and more opportunities for skilled employees.				
	Historical Analysis				
		SOC	Change %		
1.2 How has demand changed in the	SOC	Description	2011 - 2016		
past five years and what is the		Quality			
outlook for the next five years?	51-9061	Assurance	2%		
	Future O	utlook			
	-	SOC	Change %		
	SOC	Description	2016 - 2021		
		Quality			
	51-9061	Assurance	-5%		
1.3 What is the district and/or regional need?	Chicago resides within Cook County, which represents the ;argest percentage of jobs in Illinois (43% as of Q4 2015) (source: www.bls.gov/regions). Therefore, please refer to the response above (question 12) for indication of regional as well as local needs				
1.4 How are students recruited for this program?	Daley's Recruitment Team has several ongoing recruitment initiatives particularly geared toward Advanced Manufacturing. In the last several months, we have provided tours at MTEC for twelve local high schools, exposing our new facility to an estimated 475 students, including 150 who attended MTEC's Spring Open House in May. Bogan HS, Kennedy HS and Hubbard HS recently participated in Maker Space workshops; three students who participated in the Maker Space workshops registered for the Advanced Manufacturing program, with more anticipated to complete testing and eventual enrollment in the program. The enrollment team has also assisted students with on and off site pre-registration workshops, reaching approximately 200 students recently. A total of ten New Student Orientations have been completed since in the past few months, totaling 175 attendees, and 110 enrolled for Summer or Fall terms as of May 29, 2019.				
1.5 Where are students recruited from?	Over the past seven years, the recruitment team has built and maintained a high level of communication with our network of college and career coaches, college counselors at both private and public institutions, and the CPS network team in building partnerships with our local feeder high schools. These relationships have allowed the Daley team to have high visibility and ongoing contact with students, teachers and parents at events throughout the district. Such events include classroom presentations, application workshops, parent presentations, parent advisory meetings, and coordinating financial aid and advising workshops for students entering Daley College. Further, we also recruit from local employers by offering classes at schedules convenient for working adults with either am or pm				

1.6 Did the review of program need result in actions or modifications? Please explain.	New recruiting strategies as outlined above are being implemented. Also, new courses are being developed to allow this certificate to stack into an AC and subsequently an AAS.				
INDICATOR 2: Cost Effectiveness	Response				
	Credit Unit Cost Calc	FY 2017			
	Salaries	\$ 216,238			
2.1 What are the costs associated	Benefits	\$ 19,978			
with this program?	Services	\$ 12,767			
	Supplies and Equipment	\$ 8,720			
	Budget total	\$ 257,703			
	Budget total	\$ 257,703			
	Credits	1038			
2.2 How do costs compare to other	Cost per Creidt Hour	\$ 248			
programs on campus:					
	Daley Average	\$161			
	CCC Average	\$268			
2.3 How is the college paying for this program and its costs (e.g. grants, etc.)?	This program is mainly supported by tuition and fees. Perkins also provides substantial support for supplemental purposes such as new equipment and replacement equipment and does not affect the sustainability of the program.				
2.4 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? Please explain.	N/A				
2.5 Did the review of program cost result in any actions or modifications? Please explain.	The new pursuit of grant funding is being developed into a new capability for our organization to provide the ability to maintain our high level of program curriculum and educational capacity with up to date equipment and instruction.				
INDICATOR 3: QUALITY	Response				
3.1 What are the program's strengths?	We have a new Manufacturing Technology and Engineering Center that now provides state of the art advanced manufacturing and engineering facilities and equipment that allows us to renew curriculum and hands on training to reflect current technology as well as to provide an exciting environment to help build interest and enrollment in this program. The facility and equipment is the result of industry partner and advisory board input during the life of the project to ensure that current industry needs are fulfilled by the new capabilities. With this we are developing new courses to expand offerings in the various manufacturing technologies				

3.2 What are the identified or potential weaknesses of the program?	Recruiting and marketing efforts have been recently upgraded and approaches re-designed and it is too early to determine effectiveness. The new facility and equipment are an asset with recruiting and we have markedly increased interest and excitement and are waiting to see how these new efforts result in increased enrollment.
3.3 What are the delivery methods of this program? (e.g. traditional format/online/hybrid/team- teaching etc.)?	Courses are delivered in a traditional lecture and lab format in these classes. We have begun to offer accelerated mini sections of classes to allow students to complete two classes in one semester during successive 8 week mini sessions which has had good initial success. We wil continue to try innovative scheduling methods of delivery.
3.4 How does this program fit into a career pathway?	This basic certificate can lead to entry level positions in manufacturing were students that attain positions in this field inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications.
3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	New training equipment that includes modern controls and sensor technology has been implemented in our new lab facility to provide foundational skills and building blocks to train students on. These technologies include automation and manual technologies and include hands on skill demonstration to improve the training experience. Equipment manufacturing partners and training equipment partners were consulted with in addition to employer partners to develop this equipment configuration.
3.6 Are there dual credit opportunities? If so please list offerings and the associated high schools.	We are currently working with a Chicago Public School High Schools on CNC Machining programs at Austin Tech. and Bowen HS. We are working with Prosser HS to develop a welding lab and CAD dual credit training space on their campus. The Prosser facilities are being constructed over the summer of 2019 and expect to develop the program for the following term. We are working other local schools such as Bowen and Hubbard to take advantage of their close proximity to our campus and new facilities to implement dual credit programs.
3.7 What work-based learning opportunities are available and integrated into the curriculum?	Each student has practical hands on training with industrial grade equipment as part of the lab experience. In the labs in addition to demonstration of proper technique and knowledge of equipment, students frequently perform projects and design and build items for use in our facilities. Examples include building the new welding tables that will be used on our new welding lab and this past winter performing weld repair on the college snow plow to repair damage, programming an inspection machine, or operating a CNC lathe or Mill.
3.8 Is industry accreditation required for this program (e.g. nursing)? If so, identify the accrediting body. Please also list if the college has chosen to voluntarily seek accreditation (e.g. automotive technology, NATEF).	Industry accreditation is not required for this program. We follow American Society for Quality Standards and NIMS standards and teach students to these standards and utilize the NIMS certificates as part of our CNC program as a method to standardize and ensure quality in this program as the NIMS credentials also test for entry quality assurance skills.
3.9 Are industry-recognized credentials offered? If so, please list.	As stated above, we offer NIMS credentials for students as part of this program.

3.10 Is this an apprenticeship program? If so, please elaborate.	We have an apprenticeship opportunity available with a local rapid transit seating manufacturer. Students take classes 2 days per week and work part time to complement the training in each setting. We currently have one cohort progressing and are working on a second cohort to begin this program in Fall of 19. We are working with other manufacturers to develop apprenticeships. We applied for and obtained a grant to develop apprenticeship navigator infrastructure for these programs as a pilot project.				
3.11 If applicable, please list the licensure examination pass rate.	N/A				
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	Southern Illinois University agreement for their IMAE program Illinois Institute of Technology for their Applied Engineering program Governors State for their Industrial Management Program We have a transfer office that offers assistance with transferring to many other institutions				
3.13 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	We have formed several new partnerships including: American Gear Manufacturing Association to establish a National Gear manufacturing Training Center on Campus, National Coalition of Certification Centers to bring new training curriculum to our programs, Lincoln Electric to bring state of the art equipment to this program, Calumet Area Industrial Commission to bring the Promise Grant tuition, Books and Supplies scholarships to this program. Among others				
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Please provide a range and average.	the average is 7.6 over the past 5 years.	0	5 4 to 15 and		
Please provide a range and average.	Professional Development	FT/PT	Program Faculty Attendance		
Please provide a range and average.	Professional Development Zeiss SEM Training	FT/PT Both	Program Faculty Attendance 4		
Please provide a range and average.	Professional Development Zeiss SEM Training NC3 Metrology Training	FT/PT Both Both	Program Faculty Attendance 4 2		
Please provide a range and average.	Professional Development Zeiss SEM Training NC3 Metrology Training NC3 Termination Training	FT/PT Both Both PT	Program Faculty Attendance 4 2 1		
Please provide a range and average.	Professional Development         Zeiss SEM Training         NC3 Metrology Training         NC3 Termination Training         NC3 Torque Training	FT/PT Both Both PT FT	Program Faculty Attendance 4 2 1 1		
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3.16 What is the status of the current technology and equipment used for this program?	The facilities and equipment for this program are in a new \$45MM, 50K Sq. Ft building, with \$5MM of new advanced manufacturing equipment to support this program as well as the other programs in our engineering and advanced manufacturing pathways. This new equipment allows training on state of the art equipment in a exciting new facility and allows us to expand offerings to meet industry partner needs.
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3.19 How is student satisfaction information collected?	The plan for the graduate Follow up survey is outlined in 3/18 above.
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3.21 How often does the program advisory committee meet?	The advisory committee meets twice per year. Once in the Spring semester and once in the Fall semester. We share our advisory committee with Wilbur Wright College who also is in our CCC district and offers a CNC BC and AC program. We have had approximate 40 attendees at our recent advisory board meetings.
3.22 How satisfied are employers in the preparation of the program's graduates?	We will be conducting employer surveys in the fall of 2019 to quantitatively determine employer satisfaction. Feedback has been good and interest high in pursuing program graduates to local firms that perform these manufacturing functions.
3.23 How is employer satisfaction information collected?	We will be surveying employers in the Fall 2019 semester and will pursue this survey electronically and in person at the fall advisory board meeting. The plan is to take this survey once per year going forward.

3.24 Did the review of program quality result in any actions or modifications? Please explain. Review of the program resulted in the construction and equipping of the new MTEC facility. Also, we are revising and expanding course offerings to reflect current industry demands and inputs with the intention of being aspirational and allowing students to pursue careers in engineering and advanced manufacturing beyond their initial interests due to the nature of the new environment and diverse technologies offered.

## **DATA ANALYSIS FOR CTE PROGRAM REVIEW** Please complete for each program reviewed. Colleges may report aggregated data from the parent program or report on enrollment and completion data individually for each certificate within the program. Provide the most recent 5 year longitudinal data available. **QUALITY ASSURANCE** CTE PROGRAM 000729 CIP CODE YEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5 NUMBER OF STUDENTS 163 181 137 127 131 ENROLLED 5 6 3 4 3 NUMBER OF COMPLETERS TOTAL ENROLLMENT IN 256 201 163 130 203 CLASSES The main goal of this CTE program is to prepare students for employment in their field of study. The program has seen declining enrollment and efforts over the past 3 years to improve the program have been significant and now having been recently implemented allow renewed effort and focus on How does the data support recruiting and enrollment to attract students to the exciting world of the program goals? advanced manufacturing with our new facilities, equipment and planned Elaborate. curriculum. The plan is to reverse the declining enrollment and provide a new source of competitive advantage for advanced manufacturing and engineering in the region through this newly and substantially revised program. What disaggregated data Demographic data was reviewed against the population of the college and was reviewed? the district. Were there gaps in the There were no gaps in the data observed. data? Please explain. The college is working on an equity plan to ensure all students have What is the college doing to supports needed to meet their goals. Tutoring programs, early alert overcome any identifiable systems, instructor awareness, and additional creative supports such as a gaps? food pantry have been provided and are continuing to be developed.

		FY 18 - 19				
Are the students served in		African American	Hispanic	White		
this program	Daley College	20.2%	60.8%	16.1%		
student nonulation? Please	Advanced Manufacturing	38.0%	50.0%	10.0%		
explain.	CCC District	31.1%	44.5%	14.4%		
F	Chicago	32.4%	28.9%	31.7%		
Are the students served in this program representative of the district population? Please explain.	See the data above. The Advanced Manufacturing program has a higher percentage African American than the city, district and college. Also the Advanced Manufacturing program has a higher percentage of Hispanic students than the district and the city. Richard J. Daley is a Hispanic serving institution which reflects the surrounding community.					
Review Results						
Action	<ul> <li>☑ Continued with Minor Improvements</li> <li>□ Significantly Modified</li> <li>□ Placed on Inactive Status</li> <li>□ Discontinued/Eliminated</li> <li>□ Other (placed specify)</li> </ul>					
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	There is great student interest in this CTE pathway and there is great employer interest in this pathway. We have a brand new facility and extensive new equipment to perform great training activities for our students, community members and employers. We have seen good initial results in our progress on improving the program.					
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	<ol> <li>Implement Employer</li> <li>Implement graduate s</li> <li>Complete course revise</li> <li>Continue renewed reconstruction</li> </ol>	satisfaction survey atisfaction survey sions underway cruitment activities				

Career & Technical Education						
Colle	ge Name:	Richard J. Da	ey College			
FISCAL YEAR IN REVIEW:		2019				
<b>PROGRAM IDENTIFICATION INFORMATION</b>						
Program Title	Degree or Cert	Total Credit Hours	6-DIGIT CIP CODE	LIST ALL CERTIFICATE PROGRAMS THAT ARE STACKABLE WITHIN THE PARENT DEGREE		
Welding	BC	16	000765	0423		
Address all fields in the template. If there are certificates and/or other stackable credentials within the program, please be sure to specify and sufficiently address all questions regarding each stackable credential.						
<b>Program Objectives</b> What are the overarching objectives/goals of the prog	Students in this program will study manufacturing materials and processes, including basic metallurgy and electricity, as well as print reading and fundamental quality assurance concepts.					
To what extent are these ob being achieved?	jectives	Students demonstrate their success in achieving these objectives through practical hands on demonstration of skills.				
<b>Past Program Review A</b> What action was reported la the program was reviewed?	c <b>tion</b> ast time	No actions found in prior reviews.				
CTE PROGRAM REVIEW ANALYSIS Complete the following fields and provide concise information where applicable. Please do not insert full data sets but summarize the data to completely answer the questions. Concise tables displaying this data may be attached. The review will be sent back if any of the below fields are left empty or inadequate information is provided.						
List all pre-requisites for thi program (courses, placemer etc.).	s 1t scores,	Eligibility for Ma	h 99 and English 96			

	Basic	Certificate	(0765	5)			
Please list or attach all required courses (including titles) for completion of this program including institution required courses (e.g. student success, first year, general education requirements, etc.).	Manufa 139 Prin 141 Mai 151 Inti 152 Into 191 Ind Total P Hours	cturing Tech T nt Requiremen nufacturing Ma roduction to W ermediate Wel- ustrial Electric <b>rogram Credi</b>	C1 (034 ts: Qua aterials felding ding ity <b>t Hours</b>	0) lity Assuranc and Process	cees.	3 . 3 4 16 Cr	3 3 edit
Provide a rational for content/credit hours beyond 30 hours for a certificate or 60 hours for a degree.	N/A						
INDICATOR 1: NEED			R	ESPONSE			
1.1 How strong is the occupational demand for the program?	With the increased retirements of the baby boomer generation, the skills gap in manufacturing is widening. Though headlines capture the fact that industry is offshoring and moving out of high wage rate areas reducing the overall job pool the actual quantity of openings and available jobs continue to grow due to the pace of retirements out pacing the rate of reduction in manufacturing jobs. With this, the job market is very strong and the need for skilled personnel in all areas of manufacturing is a current number one priority for manufacturers. It is expected that there are 2 unfilled jobs for every placement in advanced manufacturing.Hourly Earnings (\$ MED)Entry Level Education						
	51-4122	Welding	14	16	11	HS or	Equivalent
1.2 How has demand changed in the	The rate of decrease in total jobs in the industry has decreased and the increased rate of open jobs due to increased retirements have produced an environment with more job openings and more opportunities for skilled employees.					eased rements and more	
past five years and what is the outlook for the next five years?	<u>Histori</u>	<mark>cal Analysis</mark> a	nd Fut	ure Outlool	<u>(</u>		
	600			Change %	Change	e %	
	51_/12		prion	2011 - 2016	2010-2	16%	
	Chicago	∠ Weldir resides withir	ng 1 Cook (	- 7% County. whic	h represe	nts th	e ;argest
1.3 What is the district and/or regional need?	percent www.bl above ( needs.	Chicago resides within Cook County, which represents the ;argest percentage of jobs in Illinois (43% as of Q4 2015) (source: www.bls.gov/regions). Therefore, please refer to the response above (question 12) for indication of regional as well as local needs.					
1.4 How are students recruited for this program?	Daley's Recruitment Team has several ongoing recruitment initiatives particularly geared toward Advanced Manufacturing. In the last several months, we have provided tours at MTEC for twelve local high schools, exposing our new facility to an estimated 475 students, including 150 who attended MTEC's Spring Open House in May. Bogan HS, Kennedy HS and Hubbard HS recently participated in Maker Space workshops; three students who participated in the Maker Space workshops registered for the Advanced Manufacturing program, with more anticipated to complete testing and eventual enrollment in the program. The enrollment team has also assisted students with on and off site pre-registration workshops, reaching approximately 200 students recently. A total of ten New Student Orientations have been completed since in the past few months, totaling 175 attendees, and 110 enrolled for Summer or Fall terms as of May 29, 2019.						
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1.5 Where are students recruited from?	Over the past seven years, the recruitment team has built and maintained a high level of communication with our network of college and career coaches, college counselors at both private and public institutions, and the CPS network team in building partnerships with our local feeder high schools. These relationships have allowed the Daley team to have high visibility and ongoing contact with students, teachers and parents at events throughout the district. Such events include classroom presentations, application workshops, parent presentations, parent advisory meetings, and coordinating financial aid and advising workshops for students entering Daley College. Further, we also recruit from local employers by offering classes at schedules convenient for working adults with either am or pm						
1.6 Did the review of program need result in actions or modifications?	New recruiting strategies as outlined above are being implemented. Also, new courses are being developed to allow this certificate to stack into an AC and subsequently an AAS.						
INDICATOR 2:		_					
Cost Effectiveness	RESPONSE						
	Credit Unit Cost Calc	FY 2017					
	Salaries	\$ 216,238					
2.1 What are the costs associated	Benefits	\$ 19,978	_				
with this program?	Services	\$ 12,767	_				
	Supplies and Equipment	\$ 8,720					
	Budget total	\$ 257,703					
	Dudget total	ć <u>२</u> ८२ २०२					
	Credits	ې ۲۵۱٬۱۵3 د ۱۸۵۵	2				
2.2 How do costs compare to other	Cost per Creidt Hour	ς 2Λο 2020					
programs on campus?		ې 240					
	Daley Average	\$161					
	CCC Average	\$268	_				
	cecimenage	7200					

2.3 How is the college paying for this program and its costs (e.g. grants, etc.)?	This program is mainly supported by tuition and fees. Perkins also provides substantial support for supplemental purposes such as new equipment and replacement equipment and does not affect the sustainability of the program.
2.4 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? Please explain.	N/A
2.5 Did the review of program cost result in any actions or modifications? Please explain.	The new pursuit of grant funding is being developed into a new capability for our organization to provide the ability to maintain our high level of program curriculum and educational capacity with up to date equipment and instruction.
INDICATOR 3: QUALITY	Response
3.1 What are the program's strengths?	We have a new Manufacturing Technology and Engineering Center that now provides state of the art advanced manufacturing and engineering facilities and equipment that allows us to renew curriculum and hands on training to reflect current technology as well as to provide an exciting environment to help build interest and enrollment in this program. The facility and equipment is the result of industry partner and advisory board input during the life of the project to ensure that current industry needs are fulfilled by the new capabilities. With this we are developing new courses to expand offerings in the various manufacturing technologies.
3.2 What are the identified or potential weaknesses of the program?	Recruiting and marketing efforts have been recently upgraded and approaches re-designed and it is too early to determine effectiveness. The new facility and equipment are an asset with recruiting and we have markedly increased interest and excitement and are waiting to see how these new efforts result in increased enrollment.
3.3 What are the delivery methods of this program? (e.g. traditional format/online/hybrid/team- teaching etc.)?	Courses are delivered in a traditional lecture and lab format in these classes. We have begun to offer accelerated mini sections of classes to allow students to complete two classes in one semester during successive 8 week mini sessions which has had good initial success. We wil continue to try innovative scheduling methods of delivery.
3.4 How does this program fit into a career pathway?	This basic certificate can lead to entry level positions in manufacturing positions such as welding, Soldering, and Brazing Machine Setter, Operator, and Tender, in these positions an employee would set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
3.5 What innovations have been implemented or brought to this program that other colleges would want to learn about?	New training equipment that includes modern controls and sensor technology has been implemented in our new lab facility to provide foundational skills and building blocks to train students on. These technologies include automation and manual technologies and include hands on skill demonstration to improve the training experience. Equipment manufacturing partners and training equipment partners were consulted with in addition to employer partners to develop this equipment configuration.

3.6 Are there dual credit opportunities? If so please list offerings and the associated high schools.	We are currently working with a Chicago Public School High Schools on CNC Machining programs at Austin Tech. and Bowen HS. We are working with Prosser HS to develop a welding lab and CAD dual credit training space on their campus. The Prosser facilities are being constructed over the summer of 2019 and expect to develop the program for the following term. We are working other local schools such as Bowen and Hubbard to take advantage of their close proximity to our campus and new facilities to implement dual credit programs.
3.7 What work-based learning opportunities are available and integrated into the curriculum?	Each student has practical hands on training with industrial grade equipment as part of the lab experience. In the labs in addition to demonstration of proper technique and knowledge of equipment, students frequently perform projects and design and build items for use in our facilities. Examples include building the new welding tables that will be used on our new welding lab and this past winter performing weld repair on the college snow plow to repair damage.
3.8 Is industry accreditation required for this program (e.g. nursing)? If so, identify the accrediting body. Please also list if the college has chosen to voluntarily seek accreditation (e.g. automotive technology, NATEF).	Industry accreditation is not required for this program. We follow American Welding Society standards and teach AWS standards and qualify students to perform to AWS weld standards as a method to standardize and ensure quality in this program.
3.9 Are industry-recognized credentials offered? If so, please list.	As stated above, we work to qualify students to AWS standards for certain welds so that they can be subsequently certified if required by their employer.
3.10 Is this an apprenticeship program? If so, please elaborate.	We have an apprenticeship opportunity available with a local rapid transit seating manufacturer. Students take classes 2 days per week and work part time to complement the training in each setting. We currently have one cohort progressing and are working on a second cohort to begin this program in Fall of 19. We are working with other manufacturers to develop apprenticeships. We applied for and obtained a grant to develop apprenticeship navigator infrastructure for these programs as a pilot project.
3.11 If applicable, please list the licensure examination pass rate.	N/A
3.12 What current articulation or cooperative agreements/initiatives are in place for this program?	Southern Illinois University agreement for their IMAE program Illinois Institute of Technology for their Applied Engineering program Governors State for their Industrial Management Program We have a transfer office that offers assistance with transferring to many other institutions.
3.13 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	We have formed several new partnerships including: American Gear Manufacturing Association to establish a National Gear manufacturing Training Center on Campus, National Coalition of Certificaiton Centers to bring new training curriculum to our programs, Lincoln Electric to bring state of the art equipment to this program, Calumet Area Industrial Commission to bring the Promise Grant tuition, Books and Supplies scholarships to this program. Among others.

3.14 What is the faculty to student ratio for courses in this program? Please provide a range and average.	Class sizes are limited to 15 students and th the average is 7.6 over the past 5 years.	e range i	s 4 to 15 and
	Professional Development	FT/PT	Program Faculty Attendance
	Zeiss SEM Training	Both	4
	NC3 Metrology Training		2
	NC3 Termination Training		1
	NC3 Torque Training	FT	1
	DC Grant Writing Workshop	FT	1
2.15 What professional development	Fanuc Training for CNC	PT	1
or training is offered to adjunct and	Talents in teaching Workshop	PT	2
full time fegulty that may increase	Zeiss CMM Training	Both	3
the quality of this program?	Hiden Gas Analyzer Training	FT	2
the quality of this program:	Tensile Tesster Training	FT	1
	SME Heat Treating Workshop	FT	1
	Hexagon Metrolgy CMM Training	FT	1
	Miller Welding Instructor Training	FT	2
	Master CAM Certification Workshop	Both	4
	IPG Laser Training	Both	3
	Greenlee NC3 Workshop	FT	1
	AWS Certified Welding Instrution Workshop	FT	1
	Major Scientific Training	FT	1
3.16 What is the status of the current technology and equipment used for this program?	The facilities and equipment for this progra \$45MM, 50K Sq. Ft building, with \$5MM of a manufacturing equipment to support this p other programs in our engineering and adva pathways. This new equipment allows train equipment in a exciting new facility and allo offerings to meet industry partner needs.	m are in a new adva rogram a anced ma ning on st ows us to	a new nced s well as the nufacturing ate of the art expand
3.17 What assessment methods are used to ensure student success?	Course evaluation surveys are completed by students in courses taught by adjunct professors, Embedded techniques include hands on performance of skills such as demonstration of production of a specific part to a blueprint utilizing the process being taught. We are in the process of implementing a Graduate Completion survey as well as a Employer Satisfaction survey as described in sections 3.18 and section 3.22.		
3.18 How satisfied are students with their preparation for employment?	We are planning to develop a Graduate Follow up survey to determine student satisfaction with preparation of employment. The plan is to develop and implement this survey for the graduates from each spring semester beginning in the spring of 2020. The plan is for this survey to be administered to completers prior to their leaving campus at the end of the spring semester each year.		
3.19 How is student satisfaction information collected?	The plan for the graduate Follow up survey above.	is outline	ed in 3/18

3.20 How are employers engaged in this program? (e.g. curriculum design, review, placement, work- based learning opportunities)		Employers have been engaged in numerous ways in this program including through advisory boards, new facility layout reviews for the new building, equipment selection decisions for the new facility, curriculum reviews for course revisions and new course development, presentation of career options to classes, participation in career exploration expo events, designing work study opportunities, suggestions for new curriculum, recruitment assistance and being open for tours and exposure of students to their processes and equipment to generate interest in persistence with pursuing completion.				
3.21 How often does the program advisory committee meet?		The sem com dist app	advisory comm ester and once i umittee with Wil rict and offers a roximate 40 atte	ittee meets twic n the Fall semes bur Wright Colle CNC BC and AC endees at our ree	e per year. Onc ter. We share o ege who also is i program. We ha cent advisory bo	e in the Spring our advisory in our CCC ave had oard meetings.
3.22 How satisfied are employers in the preparation of the program's graduates?		We will be conducting employer surveys in the fall of 2019 to quantitatively determine employer satisfaction. Feedback has been good and interest high in pursuing program graduates to local firms that perform these manufacturing functions				
3.23 How is employer satisfact information collected?	ction X	We will be surveying employers in the Fall 2019 semester and will pursue this survey electronically and in person at the fall advisory board meeting. The plan is to take this survey once per year going forward.				
3.24 Did the review of progra quality result in any actions o modifications? Please explain	m c r v	Rev of th cours with purs beyo envi	iew of the progr ne new MTEC fac rse offerings to r n the intention o sue careers in er ond their initial ironment and di	am resulted in t cility. Also, we a reflect current in f being aspiration igineering and a interests due to verse technolog	he construction re revising and idustry demand onal and allowin dvanced manuf the nature of th ies offered.	and equipping expanding s and inputs g students to acturing e new
<b>DATA ANALY</b> Please complete for each program reviewe or report on enrollment and completion dat most recent			FOR CTE PR olleges may rep dividually for ea ear longitudinal	OGRAM REVI ort aggregated c ich certificate w data available.	<b>EW</b> lata from the pa ithin the progra	rent program m. Provide the
CTE Program	Welding					
CIP Code	000765					
	Year 1		Year 2	Year 3	YEAR 4	YEAR 5
Number of Students Enrolled	163		181	137	127	131
Number of Completers	.5		17	11	7	1

Other (Please identify)	201	256	163	130	203
How does the data support the program goals? Elaborate.	The main goal their field of st over the past 3 having been re	of this CTE prog cudy. The progra years to impro ecently impleme	gram is to prepa am has seen dec ve the program nted allow rene	re students for e lining enrollmen have been signif wed effort and f	employment in nt and efforts ficant and now ocus on

	recruiting and enrollment to attract students to the exciting world of advanced manufacturing with our new facilities, equipment and planned curriculum. The plan is to reverse the declining enrollment and provide a new source of competitive advantage for advanced manufacturing and engineering in the region through this newly and substantially revised program.				
What disaggregated data was reviewed?	Demographic data was review the district.	ed against the populat	ion of the c	ollege and	
Were there gaps in the data? Please explain.	There were no gaps in the data	a observed.			
What is the college doing to overcome any identifiable gaps?	The college is working on an e supports needed to meet their systems, instructor awareness food pantry have been provide	quity plan to ensure al goals. Tutoring progr , and additional creatived and are continuing t	l students h ams, early a ve supports to be develo	ave ilert such as a ped.	
Are the students served in		FY 18 - 19		14/1-1	
this program		African American	Hispanic	White	
representative of the total	Daley College	20.2%	60.8%	16.1%	
student population? Please explain.	Advanced Manufacturing	38.0%	50.0%	10.0%	
	CCC District	31.1%	44.5%	14.4%	
	Chicago	32.4%	28.9%	31.7%	
Are the students served in this program representative of the district population? Please explain.	See the data above. The Advanced Manufacturing program has a higher percentage African American than the city, district and college. Also the Advanced Manufacturing program has a higher percentage of Hispanic students than the district and the city. Richard J. Daley is a Hispanic serving institution which reflects the surrounding community.				
	Review Results				
Action	<ul> <li>Continued with Minor Improvements</li> <li>Significantly Modified</li> <li>Placed on Inactive Status</li> <li>Discontinued/Eliminated</li> <li>Other (please specify)</li> </ul>				
<b>Summary Rationale</b> Please provide a brief rationale for the chosen action.	There is great student interest in this CTE pathway and there is great employer interest in this pathway. We have a brand new facility and extensive new equipment to perform great training activities for our students, community members and employers. We have seen good initial results in our progress on improving the program.				
<b>Intended Action Steps</b> What are the action steps resulting from this review? Please detail a timeline and/or dates for each step.	<ol> <li>IMPLEMENT EMPLOYER SATISFACTION SURVEY</li> <li>IMPLEMENT GRADUATE SATISFACTION SURVEY</li> <li>COMPLETE COURSE REVISIONS UNDERWAY</li> <li>CONTINUE RENEWED RECRUITMENT ACTIVITIES</li> </ol>				

Remedial English Language Arts (Reading and Communication Skills)			
College Name:	Richard J. Daley College		
Fiscal Year in Review:	2019		
	Review Summary		
<b>Program Objectives</b> What are the objectives or goals of the program/discipline?	<ul> <li>Recognize the inherent connection between reading and writing.</li> <li>Critically read a variety of texts and use these readings to inform their writing.</li> <li>Build confidence as successful college-level readers able to utilize a number of strategies that help them comprehend, interpret, analyze, and evaluate challenging college texts.</li> <li>Compose well-developed essays with a clear thesis statement supported with relevant, specific evidence while employing a recursive revision process.</li> <li>Acquire meta-cognitive (self-reflective) skills to recognize individual strengths and challenges in reading and writing.</li> <li>Construct coherent and grammatically correct prose in edited Standard American English.</li> <li>Negotiate a variety of student support services and technologies.</li> <li>Recognize how learning outcomes like critical thinking enrich daily life and empower students outside of the classroom.</li> </ul>		
To what extent are these objectives or goals being achieved?	Due to the many changes in the remedial English program at Daley College, it is difficult to fully determine the extent of objectives and goals being achieved, however, trends indicate that course success rate is remaining flat, yet success in English 101 is improving and student retained an moving to higher level gen ed classes is successful. This trend indicates objectives are being achieved.		

	As an open-access institution committed to serving a diverse, urban community, it is imperative that all students are not only accurately placed with the use of multiple measures into appropriate classes, but also get the resources and classes that they need to be successful in college. At CCC, English faculty have designed the RTW, Read to Write, an English placement exam that incorporates reading, writing, self-placement, and personal questions and that has been aligned with the CCC English course sequence.		
How does this program contribute to other fields and the mission of the college?	(The course sequence currently includes: FSL, ARC, English 101/097, English 101, and English 102.) Students who place below college-level English in this sequence, therefore, need a course(s) where they can improve their reading and writing skills, which are necessary to achieve college-level proficiency and academic literacy in order to start the program of their choosing and to reach their long-term academic or career goals. ARC, our revamped developmental English program, and FSL, our pre-credit program, provide this foundation and facilitate a successful transition to college-level courses. Without these DE courses that meet students' needs, many of our first-generation, minority, at-risk students would be placed into courses for which they are unprepared and would be set up for failure. This would not support the mission of a true open-access public institution		
<b>Prior Review Update</b> Describe any quality improvements or modifications made since the last review period.	Daley College's remedial education program was previously called Developmental Education Initiative (DEI) that was intended to assist students needing remediation to prepare for college-level coursework by requiring mandatory supplemental instruction and socialization. The reading and communication skills courses in DEI were English 098, English 100, Reading 099, and Reading 125. This program was discontinued in the 2017- 2018 academic year with a new district English course sequence.		
<b>REVIEW ANALYSIS</b> Complete the following fields and provide concise information where applicable. Please do not insert data sets but summarize the data to completely answer the questions. Review will be sent back if any of the			
Indicator 1: Need	Response		

1.1 Detail how the offerings are sufficient and aligned to meet the needs of students across all programs served and supportive academic programs.	Daley Students, particularly those who place into DE, are primarily first-generation, minority, and low- income. As an open-access public institution, we are responsible for meeting our students where they are and providing them with the resources and programs that they need to meet their academic goals. This means having a course sequence that leads to and supports access and success in English 101, a core course for all Pathways. As about 1/3 of our students test directly into English 101, we need appropriate DE programming for the other half who are not yet college ready. Research shows that the co-requisite model primarily meets the needs of those students who test at the high end of the placement band and who are not minorities; therefore, it is imperative that we offer robust, differentiated programs for those who would otherwise be left behind if all DE courses were replaced with a complete co-requisite model. We are actively doing this with our revamped DE program. With our new course ARC we offer an accelerated, integrated Reading and English, one-term, six-credit hour DE course for those students who need it. ARC students are retained and transitioning into English 101 at significantly higher rates than our previous DE program. They are also performing well, which bodes well for furthered long-term academic success and college completion. FSL students are retained and transitioning into English 96 (ARC) at significantly higher rates than our previous DE program, and ARC instructors are mentioning that they arrive batter prepared than
	previous DE program, and ARC instructors are mentioning that they arrive better prepared than students who place in directly. In most cases, they are also performing well, which bodes well for further long-term academic success and college completion. However, It is premature to draw conclusions based on data since the course is so new.
INDICATOR 2: COST EFFECTIVENESS	Response

2.1 What are the costs associated with this program?	Beyond staffing the courses with faculty, the additional funds necessary for the FSL and ARC Program concern the on-going professional development (PD) and use of faculty cohorts. Currently, more than 70% of ARTC and 100% of FSL sections are typically taught by adjunct faculty. The required PD and joint ARC/FSL cohorts are essential to the maintenance of aligned standards within the English Department and to the integrity of the program. The average budget has been roughly \$7500/academic year for FS and \$9000/academic year.
2.2 How is the college paying for this program and its costs (e.g. grants, etc.)?	The college pays for this program out of operational funds.
2.3 If most of the costs are offset by grant funding, is there a sustainability plan in place in the absence of an outside funding source? If so, please elaborate.	N/A
2.4 Based upon this review, what steps are being taken to offer curricula more cost-effectively?	With the revamped developmental program, the number of DE courses taught was reduced from four to one, and the number of DE sections offered has been halved – cutting the cost for faculty. FS is currently taught entirely by part time faculty (70% of ARC courses are taught by adjunct faculty), although full time faculty can teach it for load, and the new course requires a master's degree, whereas the old course required only a BA. The course is also limited to two semesters, which has made it cost effective. In addition, FSL shares resources with the ARC library, allowing instructors to provide level-appropriate texts through library loan, thereby saving students out-of- pocket costs.
2.5 Are there needs for additional resources? If so, what are they?	N/A
INDICATOR 3: QUALITY	RESPONSE
3.1 How is the college working with high schools to reduce remedial needs?	Daley College has a robust Early College Program that works to integrate students into college credit classes through dual credit or dual enrollment courses. The College has fostered and continues to foster great relationships with Chicago Public Schools and Chicago Catholic Schools to garner interest and support.

3.2 Are there any alternative delivery methods of this program? (online, flexible-scheduling, team- teaching, accelerated, etc.)?	Remedial courses are offered in 8, 12, 14, and 16 week formats. Daley College only offers remedial courses in traditional classroom settings.
3.3 What innovation has been implemented or brought to this program?	N/A
3.4 To what extent is the program integrated with other instructional programs and services?	Student supports are integrated into the FSL and ARC program. Embedded advising is recommended for every class (though rarely available), and advisors visit each FSL class three times per term (Twice a term for ARC) to aid in the navigation of the college's supports, registration, course requirements, Pathways, and transfer options. Instructors are able to assign regular appointments to the Writing Center for additional targeted support. Additionally, instructors are able to request peer embedded tutors for their classes to facilitate more one-on-one assistance, and they are able to assign regular appointments to the Writing Center for additional targeted support The class format (meeting 6 hours/week) and smaller class size (now 20) also make individual student conferencing a viable support option.
3.5 Have partnerships been formed since the last review that may increase the quality of the program and its courses? If so, with whom?	For the first time in CCC history, the English Discipline agreed to a common English course sequence, allowing students to move seamlessly from one college to another if necessary. Additionally, the FSL and ARC program now has dedicated FSL and ARC Coordinators at each Chicago City College, who meet on a regular basis to collaborate on training, PD, materials, assessments, best practices and issues. This level of collaboration or "partnership" within a large urban institution is unusual and allows for an on-going dialogue that fosters constant reflection and growth, both within individual departments and across the district.

3.6 How well are completers of remedial/developmental courses doing in related college-level courses?	Based on student grades and student satisfaction surveys of post-remedial courses, the students who move on from remedial courses are averaging a grade of C or better in their college-level courses. The remedial program and academic support services associated with the program empower the student with confidence and the knowledge to be successful in all other classes. The academic supports that assist the students continue to be utilized by the same students in their other courses.
3.7 What is the college doing to develop and implement co-requisite or pathway models to ensure students placing into development education finish the sequence within one academic year?	A co-requisite course is part of the English Composition Course Sequence (English 101/097) across the district. Two sections are currently being piloted during the spring 2019 semester and five sections are on the fall 2019 schedule.
3.8 Provide a description of the remedial/developmental sequence. Colleges may attach a graphic representation.	Students may place into FSL or FSL/ESL via the Read to Write (R2W) placement tool used by CCC. At the end of the term, based on a department exit exam and a portfolio of work, students may be retained or advanced to English 96 (ARC). In rare instances, students may be recommended to "jump" to English 101/97. Anecdotally, few students survive a jump from FSL directly into English 101, so we do not recommend it. That said, if the cohort believes the student is capable of doing the work of English 101, and the instructor can vouch that the student has demonstrated the requisite study habits, a student would not be held back. A student who begins in FSL would most likely spend at least one year (two semesters) at the developmental level, and perhaps longer.

	PD is a key component of the ARC Program. In
	accordance with our IAI approval, all faculty must
	participate in an initial 10-hour training that covers
3.9 What professional development	guiding principles, best practices, pedagogy for
or training is offered to instructors	integrated reading and writing instruction, and
and/or staff to ensure quality	curriculum/materials review. Additionally, all faculty
programming?	take part in 7 hours of various on-going PD sessions
	including a cohort that meets 2 to 3 times per
	semester to share materials and concerns and to
	evaluate final FSL (and ARC) portfolios.

## LIST ANY BARRIERS ENCOUNTERED WHILE IMPLEMENTING THE PROGRAM.

While implementing FSL there have been several explicit barriers. For one, tutors in the writing center are sometimes caught off-guard by the high degree of need of some FSL students. Likewise, FSL students have need of reading support and we have few trained tutors who can provide instructional support that would most benefit our under-prepared students. FSL students need access to qualified Reading Specialists, reading diagnostics, and reading instruction.

A second barrier has been the lack of institutional support for FSL. Because FSL is new and not previously housed under English, yet FSL is a course that begins a sequence of English courses, it is often forgotten and it is unclear whose budget line the course offering is covered by. Additionally, and for whatever reason, FSL instructors are frequently left out of college-wide or department announcements and thus are excluded from College and department activities that would benefit them and their students.

Another big challenge we must address is some kind of redirection for students who have taken and failed FSL – perhaps once and especially twice. How can we best support these students and provide them meaningful alternative opportunities? This is a tough question indeed, and one that frequently gets postponed, leaving students to spin their wheels or drop out. The new design states that FSL can only be repeated once, or a second time at the discretion of the FSL Coordinator and in conjunction with input from the instructor. But where do students go if they cannot proceed into coursework that requires English 101 eligibility? We need vocational alternatives.

DATA ANALYSIS FOR ENGLISH LANGUAGE ARTS					
Please complete for each cours	se reviewed as pa	art of the Remedi	al English Langu	age Arts, Cross-J	Disciplinary
Review.	Provide the most	recent 5 year lor	ngitudinal data av	ailable.	
Course Title	English 100	English 100			
Course Description	Emphasis on individual expression in paragraph form, sentence clarity through knowledge of sentence structure, and correct word forms. Writing assignments, as appropriate to the discipline, are part of the course.				
	Year 1	Year 2	Year 3	YEAR 4	Year 5
Number of Students Enrolled	485	473	422	404	Not offered

CREDIT HOURS PRODUCED	1518		1461	1317	1257		
Success Rate (% C or better) at the end of the course, Excluding Withdrawals and Audit students	64%		66%	64%	62%		
		RE	EVIEW RESUL	TS			
<b>Rationale</b> Provide a brief summary of t review findings and a rationa any future modifications.	the pro ale for AR		Year 4 was the last time our previous remedial program was offered. It has now been combined to ARC 96.				
<b>Intended Action Steps</b> Please detail action steps to l completed in the future base this review with a timeline a anticipated dates.	be d on nd/or	No	longer releva	nt.			
<b>DATA ANALYSIS FOR ENGLISH LANGUAGE ARTS</b> Please complete for each course reviewed as part of the Remedial English Language Arts, Cross-Disciplinary Review. Provide the most recent 5 year longitudinal data available.							
Course Title	Emphasis on individual expression in paragraph form, sentence clarity						
Course Description	Writing assignments, as appropriate to the discipline, are part of the course.				rms. of the		
	YEAR 1		Year 2	YEAR 3	YEAR 4	YEAR 5	
Number of Students Enrolled	65		42	39	21	57	
CREDIT HOURS PRODUCED	201		132	120	63	402	
Success Rate (% C or better) at the end of the course, Excluding Withdrawals and Audit students	64%		50%	65%	57%	48%	
	Review Results						
<b>Rationale</b> Provide a brief summary of t review findings and a rationa any future modifications.	y of the fount tionale for s. to n trai		r 5 is the first n writing and ndational stuc rease in cours ew curriculur ning.	year that FS reading in the lies program. e success rate n and need fo	Writing encor e newly phase Data shows a e which could r more facult	npassed ed a slight be due y	

<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.		Evaluate faculty and student needs in academic years 19/20 and provide more PD for faculty delivering FS course.				
<b>DATA</b> Please complete for each cours Review. I	ANALYS a reviewed Provide the	SIS F as pa most	<b>TOR ENGLISH</b> art of the Remedia recent 5 year long	<b>LANGUAGE</b> A ial English Lang ngitudinal data a	<b>1<i>RTS</i></b> uage Arts, Cross vailable.	-Disciplinary
Course Title	English	98				
Course Description	Elements assignme	of rents,	eading, writing a as appropriate t	and speaking ba to the discipline	isic English. Wri , the course.	iting
	YEAR 1	1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
ENROLLED	387		319	267	229	OFFERED
Credit Hours Produced	1218	3	990	843	726	
Success Rate (% C or better) at the end of the course, Excluding Withdrawals and Audit students	61%		61%	59%	54%	
		RE	VIEW RESUL	TS		
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.			is remedial E e revision of r urse was repl	nglish class v emedial Engl aced with AR	vas discontin ish in the dis .C, or English	ued due to trict. This 96
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.			A- course no	longer offere	d.	
<b>DATA</b> Please complete for each cours Review. I	ANALYS reviewed Provide the	SIS F as pa most	<b>TOR ENGLISH</b> art of the Remedi recent 5 year log	<b>LANGUAGE</b> Attack to the second secon	<b>1<i>RTS</i></b> uage Arts, Cross vailable.	-Disciplinary
Course Title	English	97				
Course Description	This course provides additional support to English 101 students, emphasizing critical thinking, reading, and writing appropriate to academic literacy. Writing assignments, as appropriate to the discipline, are part of the course.			ents, ate to e discipline,		
	YEAR 2	1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Number of Students Enrolled	Not Offere	D	Not Offered	Not Offered	Not Offered	239

CREDIT HOURS PRODUCED						732
Success Rate (% C or better) at the end of the course, Excluding Withdrawals and Audit students						63%
		RE	view Resul	TS		
<b>Rationale</b> Provide a brief summary of treview findings and a ration any future modifications.	the ale for	Th	is is a pilot pl	hase and find	ings are TBD	
<b>Intended Action Steps</b> Please detail action steps to completed in the future base this review with a timeline a anticipated dates.	s to be based on ne and/or		ill continue to	o monitor res	ults of Englis	h 97.
DATA Please complete for each cours Review. F	<b>DATA ANALYSIS FOR ENGLISH LANGUAGE ARTS</b> Please complete for each course reviewed as part of the Remedial English Language Arts, Cross-Disciplinary Review. Provide the most recent 5 year longitudinal data available.					
Course Title	Founda	Foundational Studies Reading				
Course Description	Foundational Studies – Reading is designed to help students increase reading skills for use in college level course content areas. Responses to reading in the form of short answer and extended response as appropriate to the discipline are part of the course			increase esponses to as		
	YEAR .	1	YEAR 2	YEAR 3	YEAR 4	Year 5
Number of Students Enrolled	78		88	62	20	Not Offered
Credit Hours Produced	240		267	201	60	
Success Rate (% C or better) at the end of the course, Excluding Withdrawals and Audit students	60%		70%	46%	90%	
<b>Review Results</b>						
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.			is course is	no longer of	fered.	

<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or		N/	A			
anticipated dates.						
DATA Please complete for each cours Review. F	ANALYS e reviewed Provide the	SIS F as pa most	<b>TOR ENGLISH</b> art of the Remed recent 5 year lo	<b>LANGUAGE</b> A ial English Lang	<b>4<i>RTS</i></b> juage Arts, Cross juailable.	-Disciplinary
Course Title	ENGLISH	96	– Aligned Rea	ading and Co	MPOSITION	
Course Description	ARC is an integrated reading and writing course designed to increase students' critical thinking, reading, and writing abilities and to promote the academic literacy for long-term success. To meet these ends, this course provides a structured, rigorous learning environment that nurtures student engagement through a shared, sustained classroom experience, and it foste collaboration in a curriculum that respects students' individuality and humanity and that prepares them to meet college-level expectations. It also encourages students to invest in a network of support services and resource to enhance long-term academic and professional success. There will be extensive reading and analysis of college-level texts, frequent essay-writing relevant discussion, and collaborative work. The course immediately precedes the General Education Communication sequence of English 101 ar 102. Writing assignments, as appropriate to the discipline, are part of the course.				crease promote their is course ures student , and it fosters ity and tions. It also and resources e will be ssay-writing, iately nglish 101 and part of the	
	YEAR	1	YEAR 2	Year 3	YEAR 4	Year 5
Number of Students Enrolled	N/A		N/A	N/A	49	394
Credit Hours Produced	N/A		N/A	N/A	294	2520
Success Rate (% C or better) at the end of the course, Excluding Withdrawals and Audit students					57%	55%
	Review Results					
<b>Rationale</b> Provide a brief summary of the review findings and a rationale for any future modifications.		En rep cou dra per ma adu dat any	glish 96 was placing the pr urses includir aw any sound riod of ARC's jor changes h ministratively ca and sound y need for mo	created begin evious devel ng English 98 statistical co implementat ooth in the de 7. Upon next analysis will odifications.	nning Fall 201 opmental edu 9, 99, 100. It is onclusions as tion there we epartment and program rev determine fin	17, acation s difficult to during the re other d iew, clean adings and

Intended Action Steps	Daley will continue to collect both qualitative and
	quantitative data for analysis in order to better
Please detail action steps to be	implement the ARC program. Currently, data is being
this review with a timeline and/or anticipated dates.	carefully watched and collected to determine the
	strengths and needs for improvement of the ARC
	program.

<b>Student and Academic Support Services</b> The ICCB Program Review requires each college to submit a statement of the review of student and academic support services that the college completed during the year. A completed and comprehensive review will likely be between <b>4 – 8 pages in length</b> .				
College Name:	Richard J. Daley College			
Fiscal Year in Review:	2019			
Review Area:	Financial Aid			

	<ul> <li>The Financial Aid Office at Richard J. Daley College provides a comprehensive range of student financial aid services. Financial Aid staff provide access to financial resources to students and their families and the cost of education, thus eliminating the economic barrier to obtaining a degree.</li> <li>Daley's staff serves the needs of students seeking to use Financial Aid. Daley College participates in the Title IV Federal Financial Aid program (Federal Pell Grant, Federal Work Study, Federal Supplemental Educational Opportunity Grants and Federal Direct Loans) and state issued grants (Monetary Award Program). Students are encouraged to complete the FAFSA application as soon as it becomes available online, and turn in any additional documentation directly to the Financial Aid Office at their home campus. Financial Aid Advisors perform on-the-spot verification, and inform students if any corrections</li> </ul>
Please provide a brief summary of the function of the program.	<ul> <li>will be made to their application.</li> <li>The Financial Aid office offers workshops to assist students through various processes. Students can attend FAFSA Friday Workshops for help to complete their FAFSA. Financial Aid Offices also host Satisfactory Academic Progress (SAP) Workshops to inform students of the SAP process, appeal basics, and how an appeal can be submitted in order to regain eligibility.</li> <li>As of the 2018-19 academic year, City Colleges of Chicago Financial Aid Offices operate on PeopleSoft CS9, an Oracle software product. Transitioning to CS9 has allowed for a much more accurate systematic approach to processing students' Financial Aid. Mission Statement</li> <li>The mission of the Financial Aid Office is to increase approximation for student accurate systematic</li> </ul>
	opportunities for student access to higher education by helping students and their families seek, attain,

and make the best use of all available financial resources.

Through financial literacy and guidance from the staff of the Financial Aid Office, we support incoming students in making a successful transition to college. Moreover, we contribute to the schools retention efforts by providing on-going assistance to our continuing students to help make their academic endeavors attainable while complying with Federal, State, and Institutional regulations and guidelines.

## Vision Statement:

The Financial Aid Office will be a beacon of change by providing a faster, friendlier, and easier experience while we strive to create a culture of care through communicating an ongoing commitment to our students.

## **Operational Outcomes**

- 1. Provide courteous and efficient service and support to students, parents, faculty and other administrative staff to foster institutional effectiveness.
- 2. Assist students in meeting their educational goals through effective utilization of scholarships and all other available financial assistance
- 3. Encourage and promote valuable work experiences through the Federal Work Study program that will be beneficial to the student, school, and the community.
- 4. Advance the schools recruitment and retention efforts through participation in a variety of service activities involving students, families, faculty, staff, and members of the community.

<u>Co-Curricular Student Learning Outcomes (Co-SLO)</u>
<ol> <li>Co-Curricular Student Learning Outcomes (Co-SLO)         <ol> <li>Through multiple forms of communication with the Financial Aid Office, students and their families will understand that financial aid provides access and resources for students to attend college.</li> <li>Through information provided by the Financial Aid Office along with various printed, electronic and social media communications, students and families will understand the types, sources and amounts of financial aid available, the applications required and deadline dates</li> <li>By the end of the first semester, students will understand their award letter and will be able to calculate the amount of tuition and fees versus the amount of financial aid received.</li> <li>Through participation in the Federal Work Study program students will develop job skills such as regular attendance, advance notification of absence, appropriate dress attire, punctuality, accountability and valuable</li> </ol> </li></ol>
<ul> <li>5. By the time, a student leaves the institution; the student will understand and accept their responsibility as a student loan borrower to repay student loan debt.</li> </ul>
Organizational Chart
Financial Aid Advisor II Financial Aid Advisor II Financial Aid Director Financial Aid Director Financial Aid Director Financial Aid Advisor I Financial Aid Advisor I Financial Aid Advisor I

	In 2017-18, 66% of Daley Students received Title V funding (NCES). Title VI Participation Federal Pell Grant- \$6,710,284 William D. Ford Federal Direct Loan Program (Subsidized)- \$255,673 Direct Loan (unsubsidized)- \$104,521 Federal Supplemental Educational Opportunity Grant - \$131,562 Federal Work Study- \$82,358 Default Rate- Direct Loan 2015: 22% 2014: 14.6% 2013: 9.8%
<b>Prior Review Update</b> Describe any quality improvements or modifications made since the last review period.	<ul> <li>In the last five years, several improvements have been made including: <ul> <li>Implementing PeopleSoft CS9 software for financial aid</li> <li>Auto Packaging Federal Student loans discontinued</li> <li>Implemented a student refund partner which expanded the student option to receive financial aid refunds through direct deposit, debit card, or paper check.</li> <li>Electronic financial aid document submission</li> </ul> </li> </ul>
What are the identified or potential weaknesses of the program?	<ul> <li>Potential weaknesses of Daley's financial aid program include:</li> <li>Lengthy verification process- students need more access to resources such as computers and scanners to improve the process.</li> <li>Course withdrawal rates and poor academic performance which results in student losing access to financial aid.</li> <li>Default rates- students often accept loans without determining if they are needed or considering alternatives. In-person loan counseling is needed to assist students in making informed decisions.</li> <li>Staffing changes</li> </ul>

What are the program's strengths?	<ul> <li>The program strengths include:</li> <li>Increased number of SAP and FAFSA- hosting events and workshops promote early completion of financial aid requirements.</li> <li>CS9/PeopleSoft improvements</li> <li>Checklist completion through linked email messaging and on-demand financial aid advising so students can submit verification documents in person, and receive verification on the spot.</li> </ul>
<b>Rationale</b> Detail all major findings resulting from the current review.	Overall, the department found that students would benefit from early intervention and SAP workshops, and that students continue to incur loan dept that is unnecessary. The US Department of Education conducted a program review at Richard J. Daley College (Daley) on December 10, 2018. The focus of the review was to determine Daley's compliance with specific regulations pertaining to Federal Student Aid under Title IV, and Daley's compliance with written arrangements to provide educational programs and eligible programs. The findings indicate that Daley's consortium agreement is adequate, that the PRR electronic application was no longer needed for certain consortium programs. Further, certain enrollment reporting error in the NSLDS has been corrected. Daley was instructed to cease awarding title IV funding to consortium programs, and to return liability funds determined through the program review from 2012- 2018.
<b>Intended Action Steps</b> Please detail action steps to be completed in the future based on this review with a timeline and/or anticipated dates.	<ul> <li>Action Items:</li> <li>1. Improve verification process by partnering with Pro-Ed to assist with verification process.</li> <li>2. Decrease the number of students who lose financial aid eligibility due to failure to meet SAP.</li> <li>a. Provide education to students through ECMC/i-grad modules to promote financial literacy</li> <li>b. Partner with faculty and academic advisors to provide SAP counseling with early alert.</li> </ul>

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