Section 1 and 3 - Analysis of Unit PIE & Updates on Goals

PIE - Technology & Health Division Manager

2019-20

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Summary of Notable Achievements: Contact Person: Sam Agdasi and Sarah Plesetz
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Division Mission Statement:

Due to the COVID-19 Pandemic, the Department Chairs were not required to include Sections 1: Where We Make an Impact or Section 2: Where Are We Now. The department faculty only had to complete Section 3: Where Are We Going.

Thus, the focus for the Manager Pie will be on Section 3, which is the Updates on Goals; however, we would like to highlight some department accomplishments:
•   We are very proud of our IDE/ MFG faculty, staff and especially our students for 3D printing and laser cutting over 1,300 face shields to date (we are still making more!). This took a considerable effort from everyone. Thirty-five of these face shields went to our own Respiratory faculty and students for use over the summer. The rest were donated to Kaiser Hospital in Baldwin Park.
•   The Paramedic program had its first graduate from Alaska....news of our newly structured program has traveled all the way to Anchorage!
•   The Psychiatric Technology Program developed a clinical partnership with California Department of Corrections-Rehabilitation, California Institute for Women.
 •   Greater than 90% of our faculty who had their classes converted to online were able to complete the   FOMAR training for the Spring spring semester and 100% of the faculty who are teaching online in Fall completed the FOMAR training by the deadline.
•   There were multiple challenges due to the COVID 19 pandemic, the Nursing program was able to graduate all 60 students who were in the final semester of the program!

Closing the Loop - Analysis of Progress on College Goals: Current Student Survey: Because of the COVID-19 pandemic, the 19-20 Current Student Survey was not completed in Spring 2020. The goal is to send it out in Fall 2020.

The latest CTE Employee Outcomes Survey from our Research Department is attached. The conclusion stated, "The results of the survey showed that completing CTE studies and training; whether or not a credential is earned, whether or not a student transfer, is related to positive employment outcomes."

The survey results allowed us to assess our progress on two Division goals across multiple departments in the Technology & Health Division (please see the attached survey for more detailed results):

A. Goal One: Providing Our Students with Industry-Valued Skills
      1. Students satisfied or very satisfied with the education and training received at Mt. SAC = 97.1% (previous survey 93.69%); and 71.9% (previous survey 41.48%) indicated that their current job is in a similar field as their coursework and training.
      2. Wages before and after training at Mt. SAC= before: $15/hour; after: $22/hour.

 B. Goal Two: Providing Our Students with Clear Paths to Employment
      1. According to the CTE Employee Outcomes Survey, 71.4% of students found employment within 3 months of completing

the coursework, with 67% of the students working 40 hour/week.

Analysis of Curriculum Currency: The Division utilizes a server for monthly tracking of all department submissions of Curriculum and SLOs. In the last semester since this tracking method has been employed, 100% of DCs have participated in the review of their curriculum and SLOs. We have some curriculum that is past due for the 4-year review and the faculty is encouraged to complete them. The Associate Dean conducts a monthly review of Curriculum currency remotely and gives a status report at the Division Chair Meeting.

Please see the PIE "Updates on Goals" section regarding information related to our Technology & Health Division Goals:
•   Drawing New Students into our Programs;
•   Creation of clear pathways for high school students and clear avenues for incumbent workers;
•   Move students through programs efficiently by providing them with effective advising and support and by taking all steps available to engage them in their programs of study;
•   Provide students with in-demand skills through up-to-date industry-valued curriculum, quality instruction, and state of the art equipment;
•   Provide students with in-demand skills through up-to-date industry-valued curriculum, quality instruction, and state of the art equipment;
•   Alumni Engagement; and
•   Use data to assess our work toward our goals & assess progress on goals through the use of multiple data sources.

External and Internal Conditions Analysis: This section was not required to be completed by the Departments this year; however, the Internal conditions and challenges remain similar to the previous years, but the magnitude has increased due to the COVID-19 pandemic.
•   Industry need prompts program growth, which results in need for more support of resources, staff, and faculty.
•   Industry change prompts program improvement and this results in need for new equipment/upgrade, space to house it in, and professional development for faculty.

Additionally, many internal conditions revolve around the need in the Spring for classes to go to an online format. This lead to developing a process of collecting information regarding what computer and AV equipment the different divisions need to better serve our students. Some programs needed more specialized computer programs for their classes, such as the IDE and ARCH programs.

Program Planning (Equity, Retention and Success): In our College's Integrated Planning and Assessment Data Report captured the following data:
     A. Retention rates of our students:
        1. Over the 18-19 years, our Division Retention Rates across all of our programs have been 91.6 - 91.7%. These consistent positive numbers could be attributed to efficient scheduling, embedded tutors and supplemental instructors, and the increased student usage of our resource centers (TERC [Spring 2020= 600; Spring 2019=4560 student visits] and HCRC [Spring 2019=586 student visits; Fall 2019=586 student visits])
        2. During the academic year of 2019-2020, our Retention rate dropped to 80% for the entire year. This decrease in overall retention was affected by the large drop of retention in the Spring semester of 63.19%. This was most likely was due to the COVID 10 pandemic.

     B. Over the last 3 academic years, our Certificate and Degree Awards have increased from 778 (15-16), 851 (16-17), and 907 (17-18), and over this 2019-20 year our Certs and Degrees Awards were up to 1,047. This shows a continuous growth! Aeronautics is ranked three on the number of degrees awarded at Mt. SAC.

Some of our programs have great enrollment numbers, but have low degree and cert numbers. Many of these type of students are Skill Builders and/or "job-out."

Analysis of Division's Plans, Activities, Resources and Critical Decisions: Analysis of Division's Plans, Activities, and Resources: This academic year has been challenging due to the COVID-19 pandemic which resulted in classes suddenly going to an online format. As a result, faculty and staff had little time to adjust to the situation in the Spring 2020 semester. The Technology and Health Division faculty and staff did excellent work in this transition to an online format; however, some of the classes which were unable to transition due to the nature of the teaching method, such as Welding, and had to be cancelled in the Spring. This left the faculty and students frustrated and without the ability continue to the endpoint of their programs. Budget cuts have required the programs to limit their requests to only those which are needed to run the program.

Our Division has faced many challenges; however, with our College Leadership support, we are continuing to offer courses and to meet the needs of our students, the best as possible. Programs that have been determined to be Essential Worker Programs,

such as our 1st Responder programs and some of the Health programs have been allowed to come to campus for labs. This also included our Essential Industries, such as Welding and Air Conditioning.