

# PROGRAM LEARNING OUTCOMES RESULTS

PLO #	Expected Program Learning Outcome Description	Assessment Means	Success Criteria	Assessment Analysis: Results	Assessment Analysis: Strengths:	Assessment Analysis: Areas for Improvement:	Impact of Changes from Previous Cycle	Actions to be Implemented
1	Demonstrate fire prevention practices, per NFPA 1021 guidelines	Students are required to create various types of presentations in FIP 124 (Fire Prevention & Public Education). The student is required to research fire prevention needs in their area, develop a fire safety program, and present their findings in a graded paper.	On average the student earns at least a 70% score of the available points on their final exam as well as their graded final research project.	2019-2020 Academic year 83% of students received a grade of 70% or higher.  2018-2019 Academic year 66% of students received a grade of 70% or higher	Majority of students are performing above the success criteria	Work to ensure a higher percentage of on-line students achieve stated goal.	Students that participated in the on-line section failed to complete work. Percentage did not reflect a lack of material understanding	Use Gaston College services to encourage and ensure on-line students are successful in their class attempt.
2	Demonstrate written and oral communication skills, applicable to the fire service, incorporating NFPA 1041 and 1021	Students are required to examine various case studies in FIP 152 (Fire Protection Law). The case studies promote the students ability to discuss laws, codes, and ordinances as they relate to fire protection.	On average the student earns at least a 70% score of the available points on their final exam as well as their graded final project.	2019-2020 Academic year 100% of students received a grade of 70% or higher.  2018-2019 Academic year 63% of students received a grade of 70% or higher	Majority of students are performing above the success criteria	Work to ensure a higher percentage of on-line students achieve stated goal.	Students that participated in the on-line section failed to complete work. Percentage did not reflect a lack of material understanding	Use Gaston College services to encourage and ensure on-line students are successful in their class attempt.
3	Demonstrate knowledge of the financial processes associated with the fire service	Students are required to examine different types of budgets and grants in FIP 228 (Local Government Finance). The budget analysis allows the student the ability to comprehend the importance of finance as it applies to the operations of a fire department.	On average the student earns at least a 70% score of the available points on their final exam as well as their graded final project of a fiscal capital and operational budget.	2019-2020 Academic year 89% of students received a grade of 70% or higher.  2018-2019 Academic year 100% of students received a grade of 70% or higher	Students are performing above the success criteria	Continue to stay abreast of industry trends	No impact seen	Explore ways to better communicate and relate material related to outcomes through assignments and class materials

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4	Demonstrate and apply fire-ground operations management, to include applicable NFPA standards and guidelines	Students are presented scenarios and provided strategies and tactics associated with fire ground operations during FIP 220 (Firefighting Strategies), FIP 221(Advanced Firefighting Strategies) and in FIP 276 (Managing Fire Service). The scenarios, strategies, and tactics provide the student the knowledge, skills, and abilities to function as a fire scene commander.	On average the student earns at least a 70% score of the available points on their final exam as well as their graded final research project.	2019-2020 Academic year 95% of students received a grade of 70% or higher.  2018-2019 Academic year 89% of students received a grade of 70% or higher	Students are performing above the success criteria	Work to ensure a larger percentage of students master the stated outcome in FIP 276	No impact seen	Explore ways to better communicate and relate material related to outcomes through assignments and class materials
5	Demonstrate knowledge of fire service organization and management	Students are tested in fire service organization in FIP 276 (Managing Fire Services). The principles of the National Incident Management System (NIMS) and Administrative Functions of planning, policy development, and human resource management are presented and evaluated for proficiency.	On average the student earns at least a 70% score of the available points on their final exam as well as their graded final research project.	2019-2020 Academic year 100% of students received a grade of 70% or higher.  2018-2019 Academic year 83% of students received a grade of 70% or higher	Majority of students are performing above the success criteria	Work to ensure a higher percentage of on-line students achieve stated goal.	Students that participated in the on-line section failed to complete work. Percentage did not reflect a lack of material understanding	Use Gaston College services to encourage and ensure on-line students are successful in their class attempt.

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6	Demonstrate knowledge of an effective emergency management program to include applicable NFPA standards and guidelines.	Students are tested in emergency management operations in EPT 140, FIP 120, and FIP 276. The students are presented with modern fire service functions as an <i>all-hazard</i> organization focusing on the functions of prevention, preparedness, mitigation, response, and recovery.	On average the student earns at least a 70% score of the available points on their final exam as well as their graded final research project.	2019-2020 Academic year 88% of students received a grade of 70% or higher.  2018-2019 Academic year 80% of students received a grade of 70% or higher	Majority of students are performing above the success criteria	Work to ensure a higher percentage of on-line students achieve stated goal.	Students that participated in the on-line section failed to complete work. Percentage did not reflect a lack of material understanding	Use Gaston College services to encourage and ensure on-line students are successful in their class attempt.