

## Introduction To Aspen Plus Simulation Auburn University

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The iconic flowsheet simulator, such as Aspen Plus, allows predicting the behavior of a process using basic engineering relationships. The chemical process consists of chemical components, or different species, that are subject to physical or chemical treatment, or both.

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ASPEN PLUS TM allows you to create your own process model, starting with the flowsheet, then specifying the chemical components and operating conditions. ASPEN PLUS TM will take all of your specifications and, with a click of the mouse button, simulate the model. The process simulation is the action that executes all necessary calculations needed to solve the outcome of the system, hence predicting its behavior.

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In the [Aspen Plus](#), there is an inbuilt model known as [RADFRAC](#), which is meant for the simulation of the distillation columns. [Water-methanol](#) mixture with 0.5 mole fraction of each component was considered to get the maximum recovery (99.5%) of [Methanol](#) at top. The number of stages and the feed location was changed to suit our purpose.

[1. INTRODUCTION I,USER](#)

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Welcome to this online introductory course to [Aspen Plus](#). [Aspen Plus](#) is a powerful engineering simulation software that you can use to model a wide range of chemical processes. It is widely used in engineering universities and in the industry, in research, development, modeling and design.

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