




## Introduction to Centrifugal Pumps

This course can only be purchased as part of **Industrial Equipment I** bundle



-  Self-paced
-  6 modules
-  2.5 hours
-  English
-  1-yr access
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### Course Objective

*"To give professionals working with piping systems **a strong fundamental understanding of centrifugal pumps and their use.**"*

### Program

- Module 1** Course Overview
- Module 2** Classification By Impeller Type
- Module 3** Pump Classifications
- Module 4** Centrifugal pump components
- Module 5** Centrifugal pump operation
- Module 6** Final thoughts

### Results

After this course, you will be able to...

- ✓ Identify all the components of a centrifugal pump,
- ✓ Know the purpose of each pump component,
- ✓ Know how a centrifugal pump works,
- ✓ Know how to read pump curves,
- ✓ Identify common pump problems,
- ✓ Know how to solve common pump problems.

And much much more!

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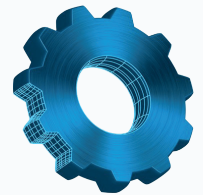
### Main Instructor



#### Jon Russell

Entrepreneur & Engineer, saVRee

Industrial Equipment, Static & Rotating



saVRee exists to help people learn about the fascinating world of engineering. Since opening the website in 2017, they have helped over 25,000 online students increase their engineering knowledge. They have also helped their clients train thousands of their own trainees and apprentices, particularly in the Power Generation, Oil and Gas, Automotive, and Electrical Engineering industries.

### Course Summary

The centrifugal pump is the most common and widely used pump today. Its simple construction, low maintenance, and low cost have made it an ideal pump for widespread commercial application.

In this course, you will learn:

- How a centrifugal pump works.
- All of the centrifugal pumps' main components.
- Different impeller and centrifugal pump designs.
- How to read a pump performance curve.
- How to identify pump faults.

The course is designed to take you from zero to hero concerning centrifugal pump knowledge. Even if you already have some background knowledge, this course will serve as an efficient refresher. Whatever your level of understanding, or engineering background (mechanical engineering, HVAC, chemical engineering, oil & gas industry, power engineering etc.), this course will provide you with a strong understanding of centrifugal pumps and their details.

### Who should attend this course

- This course is designed for Piping Designers, Pipe Stress Engineers, Mechanical Engineers, Process Engineers, or Maintenance Engineers with 0-3 yrs of experience.
- This course is beneficial for anyone in the oil & gas, HVAC, chemical engineering, mechanical engineering, or power engineering industries.

### Prerequisites

- Experience in an engineering field such as oil and gas, chemical engineering, power engineering, mechanical engineering etc. is beneficial, but not required.

**Level** Foundations