Industrial Chemistry

Want to discover how material and energy flow analysis, chemical reaction engineering and process system engineering topics are linked to the real industry?

Then take our Industrial Chemistry Course !!!

ABOUT THE COURSE

You will gain an understanding of industrial processes based on chemical reaction, separation operations and product purification, useful in creating, analyzing and evaluating chemical process designs.

In this course you will apply and execute basic calculations to solve mass and heat transfer operations and you will have a greater understanding of ideal reactors principles. You will learn how to create and interpret new and current chemical process designs at preliminary level. Participants in this course will have the opportunity to apply modern process simulation tools to design industrial processes.

Through the use of "flipped classes", computer classes, team-work learning, case studies and a field trip to a chemical industry, you will discover the chemical principles to valorize and transform raw materials and energy resources in industry. A continuous assessment of each methodology used will be applied.

REQUIREMENTS

This course is suitable for students who have completed the subjects of the Basic Module in the Industrial Technologies Engineering Degree. Basic knowledge of manufacturing systems are not required but would be advisable.

For additional information: http://web.unican.es/centros/etsiit/Paginas/GITI.aspx

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