

-- Textbooks particularly recommended --

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- Cussler, E. & Moggridge, G. (2001): «*Chemical product design*». Cambridge. University Press.
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-- Other textbooks with modern approaches to process design --

- Erwin, D., (2014): *Industrial Chemical Process Design*. 2nd Ed. McGraw-Hill.
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- Ng, K. M., Gani, R. and Dam-Johansen, K. (2007): «*Chemical Product Design: Towards a Perspective Through Case Studies*», Elsevier.
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-- CACHE process design case study series --

CACHE Process Design Case Study Series

<http://www.che.utexas.edu/cache/casestudy.html>

- Vol 1. Separation system for recovery of ethylene and light products from a Naptha pyrolysis gas steam.
- Vol 2. Design of an ammonia synthesis plant.
- Vol 3. Design of an ethanol dehydrogenation plant.
- Vol 4. Alternative fermentation processes for ethanol production and economic analysis.
- Vol 5. Retrofit of a heat exchanger network and design of a multiproduct batch plant.
- Vol 6. Chemical engineering optimization models with GAMS.
- Vol 7. Design of an ethylbenzene production plant.
- Vol 8. Nitrogen from air. (Versión on-line).
- Vol 9. Conceptual Design of Second Generation Bioethanol Production via Gasification of Lignocellulosic Biomass.
- Vol 10. Conceptual Design of the supply chain and production facility of lignocellulosic bioethanol via hydrolysis.
- Vol 11. Conceptual Design of an Aromatics Plant from Shale Gas.

-- Textbooks in Spanish language --

- Branan, C. (Ed.) (2000): «*Soluciones prácticas para el ingeniero químico*». 2ª Ed. McGraw-Hill.
- Diaz, M. (2012): «*Ingeniería de Bioprosos*». Ediciones Paraninfo.
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- Sinnot, R., Towler, G. (2012): «*Diseño en Ingeniería Química*». Editorial Reverte.

-- Encyclopedias and handbooks on chemical engineering --

- Kirk, R.E. & Othmer, D.F. (1961): «*Enciclopedia de tecnología química*». México. Unión Tipográfica Ed. Hispano-Americana.
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- CACHE. <http://cache.org/>. Process Design case study series.

-- Other Resources --

- AIChE, American Institute of Chemical Engineers:
<http://www.aiche.org>.
- Reference documents (BREF). European IPPC Bureau (EIPPCB).
European Commission's Joint Research Centre (JRC):
<http://eippcb.jrc.es/reference/>.
- CACHE:
<http://www.che.utexas.edu/cache/casestudy.html>.
- CEFIC, European Chemical Industry Council:
<http://www.cefic.org>.
- Chemical engineers salaries:
<http://www.worldsalaries.org/engineer.shtml>.
- EFCE, European Federation of Chemical Engineering:
<http://www.efce.info>.
- FEIQ, Federación Española de Ingenieros Químicos:
<http://www.feiq.es>.
- FEIQUE, Federación Empresarial de la Industria Química Española:
<http://www.feique.org>.
- GlobalSpec. Products and services catalogue:
<http://search.globalspec.com>.
- IChEME, Institution of Chemical Engineers:
<http://www.icheme.org>.
- SusChem, 2009, The European Technology Platform for Sustainable Chemistry.
Reaction & Process Design:
<http://www.suschem.org>.
- TEMA, The Tubular Exchanger Manufacturers Association, Inc.:
<http://www.tema.org>.
- World Chemical Engineering Council WCEC:
[http://www.chemengworld.org/First Project.html](http://www.chemengworld.org/First_Project.html).

- Further reading and references -

- Carrillo-Hermosilla, J.; Del Río González, P. & Könnölä, T. (2009): «*Eco-innovation: when sustainability and competitiveness shake hands*». Palgrave Macmillan.
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