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studies, design audits, debottlenecking studies, control system check-out, process simulation, dynamic simulation, operator training simulators, pipeline management systems, production management systems, digital twins .

## **List of chemical process simulators - Wikipedia**

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thorough knowledge of chemical and physical properties of pure components and mixtures, of reactions, and of mathematical models which, in combination, allow the calculation of a process in computers.

## **Process simulation - Wikipedia**

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Chemical Process Design, Simulation,

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Optimization, and Operation. B.Wayne Bequette, Louis P. Russo, in Encyclopedia of Physical Science and Technology (Third Edition), 2003. I Background. The field of process systems engineering refers to the various techniques to design, simulate, optimize, and operate chemical processes. A majority of ...

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## **A NOTICE - Bucknell University**

Fernandez, J. C. Abanades, and G. Grasa,  
“ Modeling of sorption enhanced steam methane reforming—Part II: Simulation within a novel Ca/Cu chemical loop process for hydrogen production,”  
Chem. Eng. Sci. 84, 12– 20 (2012).

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