

Principles of Chemical Engineering

Reaction Engineering

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Use of Computers in Chemical Engineering discipline.

Need:

- For storing and retrieving large amount of data.
- For repetitive calculations.

Specific Softwares:

- Microsoft Excel or any other spreadsheet program — For simple calculations.
- MATLAB or any similar software — For rigorous mathematical calculations.
- AspenTech or any other process simulation software — For simulating a chemical process flowsheet involving varieties of unit operations and reactions.

General Purpose Softwares:

- MS Word or any similar word processing software.
- MS Paint / Adobe Photoshop — for image processing.
- AutoCAD — for engineering drawings.