

8-Week FE Study Plan

FE Mechanical · suggested 12–15 hours a week · Exam date: _____

Week 1

Starts: _____

Set-up, mathematics, statistics

- ☐ Download the FE Reference Handbook from MyNCEES and skim its table of contents
- ☐ Mathematics, probability and statistics
- ☐ Work 20 timed problems at about 3 minutes each, using only the handbook and your approved calculator

Week 2

Starts: _____

Economics, ethics, electrical

- ☐ Engineering economics and ethics
- ☐ Electricity and magnetism
- ☐ Work 25 timed problems at about 3 minutes each, using only the handbook and your approved calculator

Week 3

Starts: _____

Statics

- ☐ Print the statics cheat sheet; review the statics lessons
- ☐ Work the 5 FE statics practice problems
- ☐ Work 25 timed problems at about 3 minutes each, using only the handbook and your approved calculator

Week 4

Starts: _____

Mechanics of materials and materials

- ☐ Print the mechanics of materials cheat sheet
- ☐ Work the 5 FE mechanics of materials practice problems
- ☐ Material properties and processing
- ☐ Work 25 timed problems at about 3 minutes each, using only the handbook and your approved calculator

Week 5

Starts: _____

Dynamics, vibrations, controls

- ☐ Dynamics, kinematics and vibrations
- ☐ Measurements, instrumentation and controls
- ☐ Work 25 timed problems at about 3 minutes each, using only the handbook and your approved calculator

Week 6

Starts: _____

Fluids and thermodynamics

- ☐ Print the fluid mechanics and thermodynamics cheat sheets
- ☐ Fluid mechanics, then thermodynamics
- ☐ Work 30 timed problems at about 3 minutes each, using only the handbook and your approved calculator

Week 7

Starts: _____

Heat transfer and design

- ☐ Heat transfer
 - ☐ Mechanical design and analysis, including GD&T
 - ☐ One mixed set of 30 problems, timed
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Week 8

Starts: _____

Full practice exam and exam week

- ☐ Take a full-length timed practice exam early in the week
 - ☐ Re-study your three weakest areas
 - ☐ Check your ID, appointment time and calculator model against the NCEES rules
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