

FTIC StudentsEGS 1006C
Intro to Engr
Profession
(1)EGN 1007C
Engr Concepts
& Methods
(1)**TRANSFER Students**Additional 2.0 credit hours of
Restricted Technical ElectivesCHS 1440
Principles of
Chemistry (4)
PR: 1 year HS Chem
or CHM 1032EGN 3613
Engineering
Econ Analy
(2)CGN 3501C
CE
Materials
(3)ENV 3001
Environmental
Engineering
(3)CCE 4034
Constr
Estimating &
Scheduling (3)CCE 4402
Constr
Equipmt &
Productivity(3)
Add'l PR: EGN 3331CCCE 4810C
Construction
Engineering
Design (3)
Add'l PR: CGN 3090ACG 2071
Managerial
Accounting
(3)
Requires override from the
College of Business at
<https://bit.ly/cbaforms>Technical Electives
(6-8 credit hours)
from approved
technical elective list
on the CECE Advising
web courseENC 1101
(3)ENC 1102
(3)Humanities
Foundation 1
(3)Humanities
Foundation 2
(3)Social
Sciences
Foundation 1
(3)Social
Sciences
Foundation 2
(3)MAC 2311C
Calc/Anl
Geom I (4)
PR: MAC 1105, MAC
1114C and MAC
1140C or passing
score on Math
Placement TestMAC 2312
Calc/Anl
Geom II (4)MAC 2313
Calc/Anl
Geom III (4)MAP 2302
Differential
Equations (3)EGN 3310
Engineering
Statics
(3)STA 3032
Prob & Stat
for Engineers
(3)CGN 3405
Num Meth
in CE (3)EGN 3331C
Mechanics of
Materials
(3)CGN 3090
Engineering
Reports &
Liability (2)
CR: Lab CourseCWR 3201
Engr Fluid
Mechanics
(3)CWR 4202C
Hydraulics
(3)CEG 4011C
Geotech
Engr 1 (3)
Add'l PR: EGN 3331CCCE 4004
Construction
Methods (3)CES 4100C
Structural
Analysis (3)
Add'l PR: MAP 2302CCE 4813
Mech & Elec
Systems for
Bldgs (3)CGN 4808C
CE Capstone
Design (3)
By department
override only
PR: Design Course**Complete One**COP 2500C
Concepts of
Computer
Science (3)COP 3223C
Programming
with C (3)
PR: COP 2500C**Focus Areas (complete 1 area)****Focus Area 1**ESI 4312
Deterministic
Methods (3)
PR: STA 3032
and MAS 3015CAI 4823
Artificial Intell
for IE (3)
PR: STA 3032
and COP 3223C**Focus Area 2**ESI 4234
Quality
Engineering (3)
PR: STA 3032EIN 4517
Systems
Engineering (3)
PR: STA 3032**Focus Area 3**FIN 3403
Bus Finance (3)
PR: ECO 2013
or ECO 2023MAR 3023
Marketing (3)
PR: ECO 2013
or ECO 2023All students must complete the
Fundamentals of Engineering
Exam. More info www.ncees.org**UCF**Courses which are pre-requisites
must be completed with a grade of
"C" (2.0) or better**KEY:**

Prerequisite



Corequisite

Required to
clear "Pending"

CONSTRUCTION ENGINEERING

2025-2026 CATALOG – REQUIRED COURSEWORK