



**B.S. Engineering Physics,
Electrical Engineering
Technology Track:** This track
requires 12 credit hours from
courses in engineering
technology with specialization
in electronics.

**B.S. Engineering Physics,
Mechanical Engineering
Technology Track:** This track
will require 12 credit hours
from courses in engineering
technology with specialization
in mechanical systems.

**B.S. Engineering Physics,
Mechatronics Engineering
Technology Track:** This track
requires 12 credit hours from
courses in engineering
technology with specialization
in mechatronics.

Engineering physics is a new program
designed for students who have an interest
in both engineering and physics.

Engineering Physics Graduates work in:

- Design
- Instrumentation
- Testing
- Robotics
- Transportation
- Bioengineering
- Production Operations
- Maintenance
- Technical Sales
- Public Utilities
- Insurance and more



Core Courses in Physics (31 hours)

- PHY 100 Science, Engineering, and Design (1 credit)
- PHY 220 University Physics with Laboratory I - SL (4 credits)
- PHY 222 University Physics with Laboratory II (4 credits)
- PHY 224 University Physics with Laboratory III (4 credits)
- PHY 300 Intermediate Physics Laboratory (2 credits)
- PHY 305 Statics (3 credits)
- PHY 310 Dynamics (3 credits)
- PHY 320 Physical Optics (3 credits)
- PHY 360 Thermodynamics (3 credits)
- PHY 361 Modern Physics I (3 credits)
- PHY 393 Physics Seminar (1 credit)

Core Courses in Engineering Technology (33 credits)

- EGT 212 Computer-Aided Drafting and Design (3 credits)
- EGT 261 Engineering Materials (3 credits)
- EGT 267 Programming for Engineering Applications (3 credits)
- EGT 301 Cooperative Education in Engineering Technology (3 credits)
- EGT 310 Project Management and Problem Solving (3 credits)
- EGT 317 Introduction to Capstone Project in EGT (1 Credit)
- EGT 361 Fluid Power (3 credits)
- EGT 417 Senior Design in Technology (2 credits)

Electronics Engineering Technology Track

- EGT 243 AC Circuit Analysis (3 credits)
- EGT 245 Digital Electronics (3 credits)
- EGT 367 Microprocessors (3 credits)
- EGT 467 Advanced Microprocessors (3 credits)

Mechanical Engineering Technology Track

- EGT 211 Quality Control (3 credits)
- EGT 386 Electro-Mechanical Instr. and Control (3 credits)
- EGT 480 Machine Design (3 credits)
- EGT 405 Metrology and Geometric Tolerancing (3 credits)

Mechatronics Engineering Technology Track

- EGT 320 Robotic Systems and Materials Handling (3 credits)
- EGT 386 Electro-Mechanical Instr. and Control (3 credits)
- EGT 408 Mechatronics Topics (3 credits)
- EGT 402 Controls (3 credits)

Supporting Courses (30 Credits)

- CHE 120 General Chemistry I - NS (3 credits)
- CHE 120L General Chemistry I Laboratory - SL (1 credit)
- CHE 121 General Chemistry II (3 credits)
- CHE 121L General Chemistry II Laboratory (1 credit)
- MAT 129 Calculus I - QR (4 credits)
- MAT 229 Calculus II (5 credits)
- MAT 325 Differential Equations (3 credits)
- MAT 329 Calculus III (4 credits)
- STA 205 Statistical Methods - QR (3 credits)

Questions about the physics program
at NKU?

visit www.nku.edu/pget
or come visit our department

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