

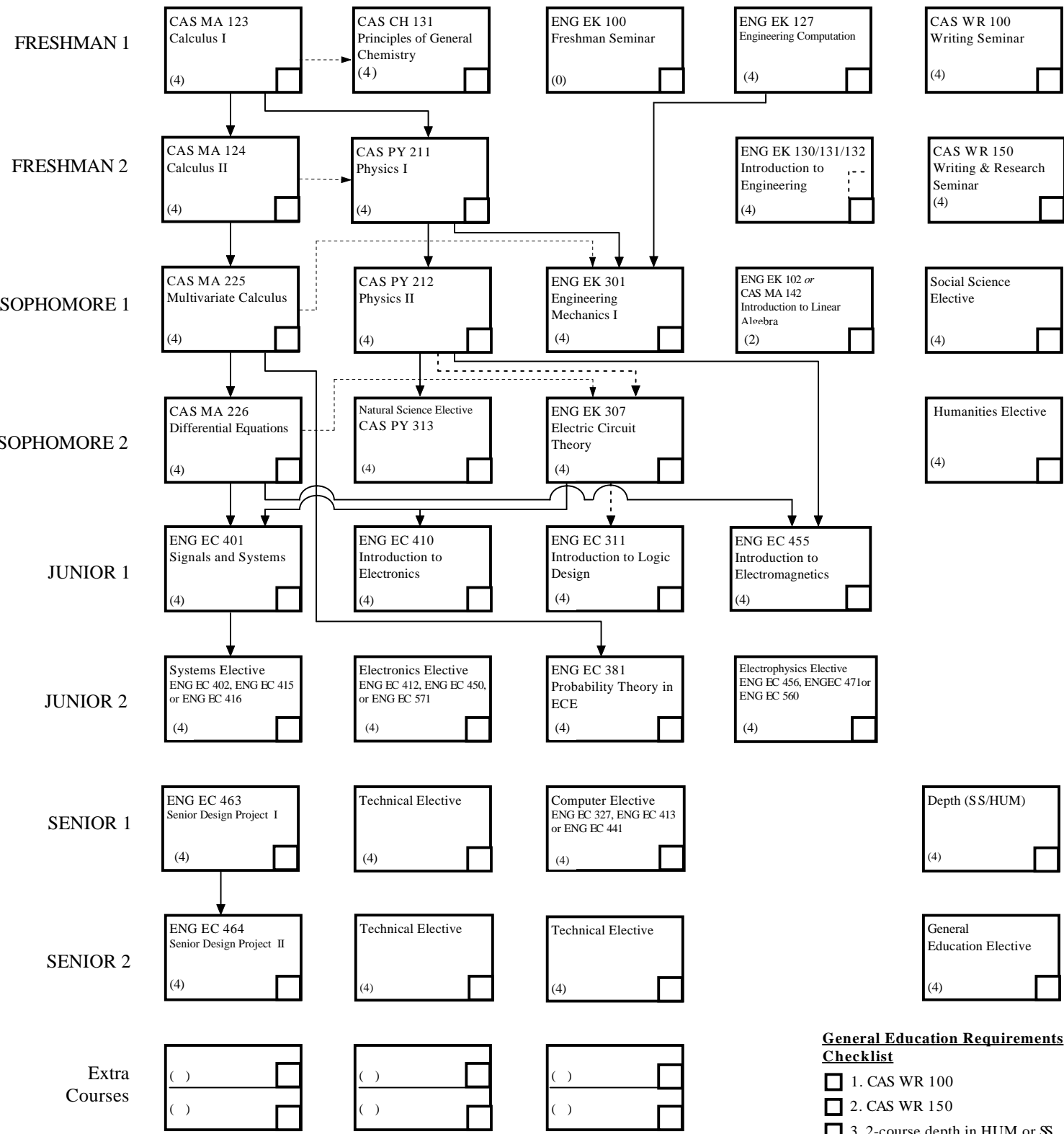
**BOSTON UNIVERSITY COLLEGE OF ENGINEERING**  
**Undergraduate Program Planning Sheet**

NAME: \_\_\_\_\_

B.U.I.D.#     U    

MAJOR: **ELECTRICAL ENGINEERING 2011**

DATE: \_\_\_\_\_



Prereq.= —  
 Coreq.= - - - -

**GRADUATION REQUIREMENT: 130 credits**  
 **Residency Requirement: 48 credits/Upper Division Program Courses at Boston University completed within 5 years preceding graduation**

- General Education Requirements Checklist**
- 1. CAS WR 100
  - 2. CAS WR 150
  - 3. 2-course depth in HUM or SS
  - 4. 1 course HUM or SS (in other than Depth)
  - 5. 1 course General Education Elective
  - 6. Total of at least 24 credits

# ELECTRICAL UNDERGRADUATE ELECTIVES

*Note: Required courses cannot be used as electives.*

## Technical Electives:

All ENG **EC** courses are acceptable as Technical Electives.

All ENG **BE, EK** and **ME** courses at the **400 or 500 level** are acceptable as Technical Electives.

Other acceptable ENG courses are:

ENG ME 303 Fluid Mechanics  
ENG ME 304 Energy and Thermodynamics  
ENG ME 305 Mechanics of Materials  
ENG ME 306 Introduction to Materials Science  
ENG ME 307 Flight Structures  
ENG ME 309 Structural Mechanics

## Pre-Approved Courses Outside Engineering That Fulfill a Technical Elective:

CAS AS 414 Solar and Space Physics  
CAS AS 419 Navigation in the Celestial and Aerospace Environment

CAS CS 480 Introduction to Computer Graphics  
CAS CS 540 Artificial Intelligence  
CAS CS 585 Image and Video Conferencing

CAS MA 511 Introduction to Analysis I  
CAS MA 528 Introduction to Modern Geometry  
CAS MA 531 Computability and Logic  
CAS MA 541 Modern Algebra I  
CAS MA 583 Introduction to Stochastic Processes

CAS PY 451 Quantum Physics I  
CAS PY 452 Quantum Physics II

## Electronics Electives

ENG EC 412 Analog Electronics  
ENG EC 450 Microprocessors  
ENG EC 571 VLSI Principles and Applications

## Computer Electives:

ENG EC 327 Introduction to Software Engineering  
ENG EC 413 Computer Organization  
ENG EC 441 Introduction to Computer Networking

## Systems Electives:

ENG EC 402 Control Systems  
ENG EC 415 Communication Systems  
ENG EC 416 Introduction to Digital Signal Processing

## Electrophysics Electives:

ENG EC 456 Electromagnetic Systems II  
ENG EC 471 Physics of Semiconductor Devices  
ENG EC 560 Introduction to Photonics

**Note:** *ENG ME 304 and ENG EK 424 cannot both be taken for credit.*

**Note:** *A course used to satisfy one elective requirement cannot be used to satisfy another elective requirement.*