

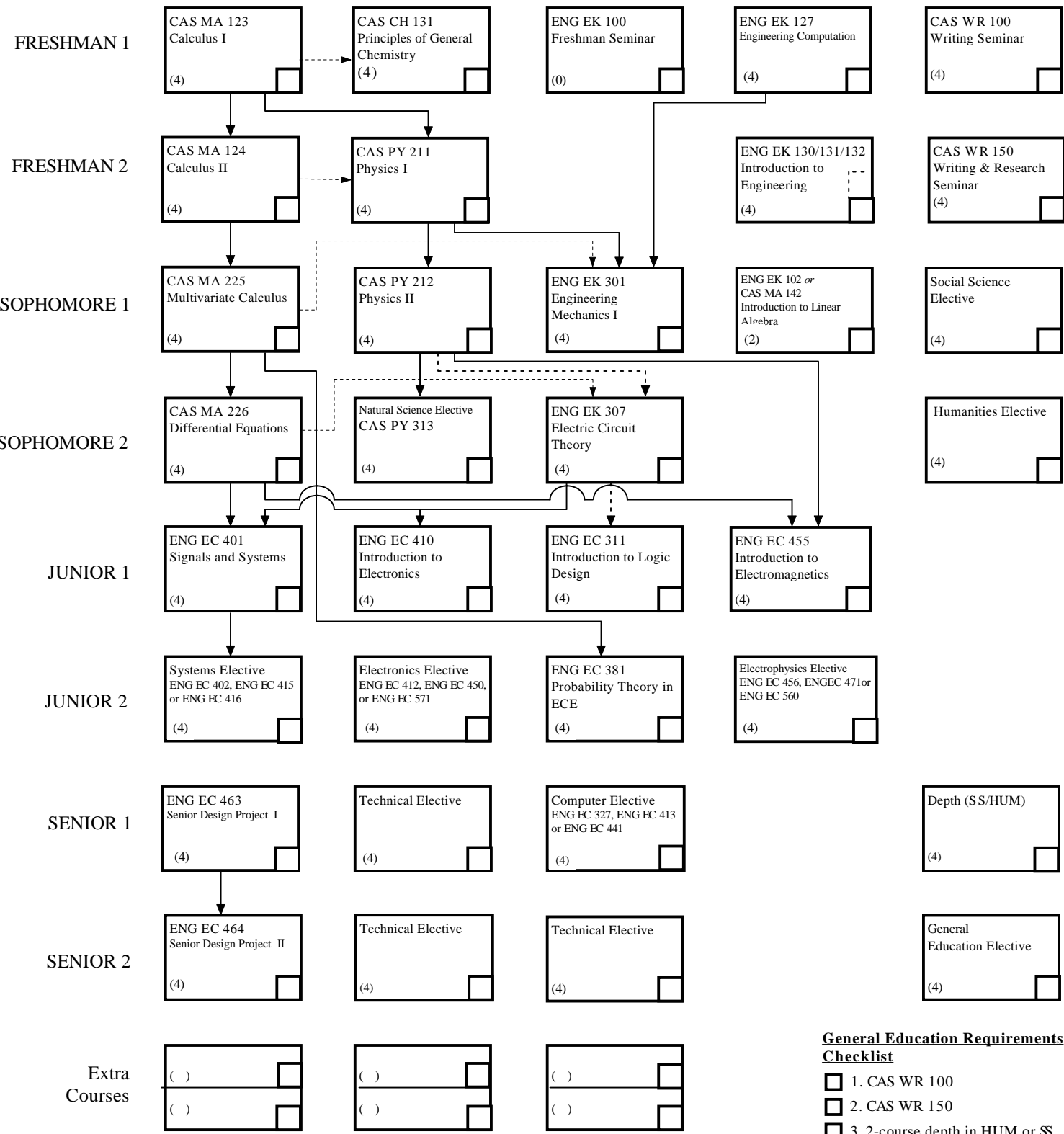
BOSTON UNIVERSITY COLLEGE OF ENGINEERING
Undergraduate Program Planning Sheet

NAME: _____

B.U.I.D.# U _____

MAJOR: **ELECTRICAL ENGINEERING 2010**

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.*