

ACADEMIC DEGREE COMPARISONS

Computer Science Engineering (BS-CSE)

Computer Science Core (38)

4 – COP3502C Prog. Fundamentals 1

4 – COP3503C Prog. Fundamentals 2

3 – COT3100 App. Of Discrete Struct.

3 – COP3530 Data Struct. & Alg.

3 – CDA3101 Intro to Comp. Org.

3 – CEN3031 Intro to Software Engineering

3 – CIS4301 Info & DB Sys & Dev 1

3 – COP4600 Operating Systems

3 – COP4020 Programming Language Concepts

3 – Algorithm Abstraction & Design

3 – CNT4007 Comp. Network Fund.

3 – CIS4914 OR EGN4952

Computer Science/Technical Electives (18)

Mathematics (18)

4 – MAC2311 Analytic Geometry & Calculus 1

4 – MAC2312 Analytic Geometry & Calculus 2

4 – MAC2313 Analytic Geometry & Calculus 3

3 – MAS3114 Comp. Linear Algebra

3 – STA3032 Engineering Statistics

Physics (8)

3 – PHY2048 Physics w/Cal 1

1 – PHY2048L Lab for PHY2048

3 – PHY2049 Physics w/Cal 2

1 – PHY2049L Lab for PHY2049

English & Communication (6)

3 – ENC3246 Prof. Communications for Engineers

3 – Additional writing/public speaking course

Ethics (1)

Interdisciplinary Electives (14)

General Elective (1)

General Education (16)

6 – Social & Behavioral Sciences

6 – Humanities

4 – Hum. or Soc./Beh. Sci. or Phy./Bio. Sci.

120 Total Semester Hours

Computer Science (BS-CSC)

Computer Science Core (35)

4 – COP3502C Prog. Fundamentals 1

4 – COP3503C Prog. Fundamentals 2

3 – COT3100 App. Of Discrete Struct.

3 – COP3530 Data Struct. & Alg.

3 – CDA3101 Intro to Comp. Org.

3 – CEN3031 Intro to Software Engineering

3 – CIS4301 Info & DB Sys & Dev 1

3 – COP4600 Operating Systems

3 – COP4020 Programming Language Concepts

3 – Algorithm Abstraction & Design

3 – CIS4914 OR EGN4952

Computer Science/Technical Electives (9)

Mathematics (18)

4 – MAC2311 Analytic Geometry & Calculus 1

4 – MAC2312 Analytic Geometry & Calculus 2

4 – MAC2313 Analytic Geometry & Calculus 3

3 – MAS3114 Comp. Linear Algebra

3 – STA3032 Engineering Statistics

Physics (8/10)

3 – PHY2048 Physics w/Cal 1

1 – PHY2048L Lab for PHY2048

3 – PHY2049 Physics w/Cal 2

1 – PHY2049L Lab for PHY2049

OR

4 – PHY2053 Physics 1

1 – PHY2053L Lab for PHY2053

4 – PHY2054 Physics 2

1 – PHY2054L Lab for PHY2054

English & Communication (3)

3 – ENC3246 Prof. Communications for Engineers

Electives (10)

General Education (37)

3 – Composition

9 – Social & Behavioral Sciences

6 – Biological Sciences

9 - Humanities

0-10 – Foreign Language Proficiency

120 Total Semester Hours

Digital Arts and Sciences (BS-DAS)

Computer Science Core (28)

4 – COP3502C Prog. Fundamentals 1

4 – COP3503C Prog. Fundamentals 2

3 – COT3100 App. Of Discrete Struct.

3 – COP3530 Data Struct. & Alg.

3 – CEN3031 Intro to Software Engineering

3 – CAP4730 Comp. Struc. In Comp. Graphics

3 – CEN4721C OR CAP4800

3 – COP4020 OR COP4600

3 – COT4501 OR MAD 4401

Computer Science/Technical Electives (6)

Digital Arts & Science Core (18)

3 – CAP3032 Interactive Modeling & Animation

3 – CAP3220 Intro to Comp-Aided Modeling

3 – CAP3034 Intro Computer-Aided Animation

3 – CAP3027 Intro to DAS

3 – CAP3020 Th. & Prac. Of Multimedia Prod

3 – CIS4914 Sr Project

Art (9)

3 – ARH2051 Introduction Art History

3 – ART2305C Perceptual Drawing

3 – ART2701C Sculpture: Form & Space

Mathematics (18)

4 – MAC2311 Analytic Geometry & Calculus 1

4 – MAC2312 Analytic Geometry & Calculus 2

4 – MAC2313 Analytic Geometry & Calculus 3

3 – MAP2302 Differential Equations

3 – MAS3114 OR MAS4105

Physics (8)

3 – PHY2048 Physics w/Cal 1

1 – PHY2048L Lab for PHY2048

3 – PHY2049 Physics w/Cal 2

1 – PHY2049L Lab for PHY2049

Chemistry (3)

3 – CHM2045 General Chemistry

Interdisciplinary Electives (15)

General Education (18)

3 – Composition

6-9 – Social & Behavioral Sciences

6-9 – Humanities

6 – International and Diversity

123 Total Semester Hours

Computer Engineering (BS-CPE)

2 – EGN2020C Engineering Design & Society

Computer Science Core (23)

4 – COP3502C Prog. Fundamentals 1

4 – COP3503C Prog. Fundamentals 2

3 – COT3100 App. Of Discrete Struct.

3 – COP3530 Data Struct. & Alg.

3 – CDA3101 Intro to Comp. Org.

3 – CEN3031 Intro to Software Engineering

3 – COP4600 Operating Systems

Electrical Engineering Core (20)

4 – EEL3111C Circuits 1

4 – EEL3135 Signals & Systems

4 – EEL3701C Digital Logical & Computer Systems

4 – EEL3744C Microprocessor Applications

4 – EEL4712C Digital Design

Design I & II Sequences (6)

CEN3907 & CEN3908 (CpE Design)

EGN4951 & EGN4952 (IPPD)

Technical Electives (18)

Mathematics (21)

4 – MAC2311 Analytic Geometry & Calculus 1

4 – MAC2312 Analytic Geometry & Calculus 2

4 – MAC2313 Analytic Geometry & Calculus 3

3 – MAP2302 Differential Equations

3 – MAS3114 OR MAS4105

3 – STA3032 OR STA4321

Physics (6)

3 – PHY2048 Physics w/Cal 1

3 – PHY2049 Physics w/Cal 2

Chemistry (4)

3 – CHM2045 General Chemistry

1 – CHM2045L Lab for CHM2045

English & Communication (3)

3 – ENC3246 Prof. Communications for Engineers

Ethics (1)

Enrichment Electives (7)

General Education (18)

6 – Composition

6 – Social & Behavioral Sciences

6 – Humanities

6 – International and Diversity

129 Total Semester Hours