

**TRANSFER PATHWAY**  
**(For Transfer to Texas College)**  
**ASSOCIATE OF SCIENCE FIELD OF STUDY IN COMPUTER SCIENCE TO**  
**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

**Catalog Year** 2018-2019 You may use this pathway if you entered one of the seven colleges on or before this date.

**Career Path** STEM Career Path

**Available at** Brookhaven, Cedar Valley, Eastfield, El Centro, North Lake and Richland Colleges

**TSI** Must be Complete

### SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official degree plan. See catalog for official degree requirements. You must receive a GPA of at least 2.00 on all college-level course work. Students must earn at least 25% of the credit hours required for graduation through instruction by one of the seven DCCCD colleges awarding the degree. You will need to apply for the associate's degree at your college. Contact your advisor for information.

#### AS FOS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

#### SEMESTER 1

**Total Hours: 14**

**ENGL 1301** – Composition I *This is a (010) Core course. Must earn a grade of “C” or higher.*

**HIST 1301** – United States History I *This is a (060) Core course.*

**MATH 2412** – Pre-Calculus Math *Students must have completed the prerequisite MATH 1316 math course. This is a (020) Core course. Must earn a grade of “C” or higher.*

**COSC 1436** – Programming Fundamentals I

#### SEMESTER 2

**Total Hours: 17**

**ENGL 1302** – Composition II *This is a (010) Core course.*

**HIST 1302** – United States History II *This is a (060) Core course. There are several options to fulfill this requirement. See your academic advisor for a specific list.*

**MATH 2413** – Calculus I

**Social and Behavioral Sciences Core Elective** *This is a (080) Core course. There are several options to fulfill this requirement. See your academic advisor for a specific list.*

**COSC 1437** – Programming Fundamentals II

#### SEMESTER 3

**Total Hours: 15**

**GOVT 2305** – Federal Government *This is a (070) Core course.*

**MATH 2414** – Calculus II

**PHYS 2425** – University Physics I *This is a (030) Core course.*

**COSC 2436** – Programming Fundamentals III

#### SEMESTER 4

**Total Hours: 14**

**GOVT 2306** – Texas Government *This is a (070) Core course.*

**PHYS 2426** – University Physics II *This is a (030) Core course.*

**CHOOSE ONE:** **ARTS 1301** – Art Appreciation **OR**

**DANC 2303** – Dance Appreciation **OR**

**DRAM 1310** – Introduction to Theater **OR**

**HUMA 1315** – Fine Arts Appreciation **OR**

**MUSI 1306** – Music Appreciation *These are (050) Core courses. There are several options to fulfill this requirement. See your academic advisor for a specific list.*

**COSC 2425** – Computer Organization

**TEXAS COLLEGE**  
**(For Transfer From DCCCD)**  
**ASSOCIATE OF SCIENCE FIELD OF STUDY IN COMPUTER SCIENCE TO**  
**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

**SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS**

For questions about the Texas College portion of this transfer pathway, contact Johns Roberts, Dean of Enrollment Management, at 903-593-8311 EXT 2206 or [jroberts@texascollege.edu](mailto:jroberts@texascollege.edu). It is best to apply to Texas College a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

**SEMESTER 1**

**Total Hours: 15.5**

**ASSEM 1100** – College Assembly  
**COSC 3310** – Internet Programming  
**COSC 3355** – Operating Systems  
**COSC 3371** – Digital Systems  
**MATH 2330** – Discrete and Combinational Mathematics  
**Any Elective** (3 credit hours)

**SEMESTER 2**

**Total Hours: 15.5**

**ASSEM 1100** – College Assembly  
**COSC 1332** – Microcomputer Applications  
**COSC 3338** – E-commerce  
**GBUS 2393** – Principles of Accounting I  
**Any Elective** (3 credit hours)  
**Any Elective** (3 credit hours)

**SEMESTER 3**

**Total Hours: 18.5**

**ASSEM 1100** – College Assembly  
**MATH 3315** – Linear Algebra  
**COSC 4375** – Internship  
**COSC 4375** – Data Base Management  
**Any Elective** (3 credit hours)  
**Any Elective** (3 credit hours)  
**Any Elective** (3 credit hours)

**SEMESTER 4**

**Total Hours: 15.5**

**ASSEM 1100** – College Assembly  
**COSC 4360** – Communication and Networking  
**Elective** (3000 or 4000 Levels)  
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