Course Offering Instructions:
Fill in information for the column that indicates the number of hours
Fill in information for the column that indicates the campus
Fill in information for the column that indicates the term the course is offered
Add Notes and Plans, if needed
Include information about the percentage of degree that can be completed in BRW or ED
For Graduate Programs, you may adjust headers accordingly.

Location of Course (Edinburg = ED; BRW = Brownsville; ONL = Online) Term (FA, SP, SUM)	Hours	BRW	ED	ONL	NOTES and PLANS - If course is offered at both campuses please color-code it GREEN. If it is not offered at both campuses, please color-code it YELLOW and add a note for addressing deficiency. Courses required for the General Education Core should be coded in BLUE. Use "As Scheduled" for courses not scheduled every full semester.

DEGREE REQUIREMENTS

General Education Courses (add rows as needed)

010 - Communication - 6 hours; minimum grade of C

	Hours	BRW	ED	ONL
ENGL 1301 or 1387 (H) Rhetoric and Composition I	3	FA, SP, SUM	FA, SP, SUM	
ENGL 1302 or 1388 (H) Rhetoric and Composition II	3	FA, SP, SUM	FA, SP, SUM	

020 - Mathematics - 3 hours; minimum grade of C

	Hours	BRW	ED	ONL
MATH 2413 Calculus I	3	FA, SP, SUM	FA, SP, SUM	

030 - Life and Physical Science - 6 hours lecture. Choose one pair from:

	Hours	BRW	ED	ONL
BIOL 1406 General Biology I and BIOL 1407 General Biology II	6	FA, SP, SUM	FA, SP, SUM	
BIOL 2401 Anatomy and Physiology I and BIOL 2402 Anatomy and Physiology II	6	FA, SP, SUM	FA, SP, SUM	
CHEM 1311 General Chemistry I (or CHEM 1309) and CHEM 1312 General Chemistry II	6	FA, SP, SUM	FA, SP, SUM	
PHYS 1401 General Physics I and PHYS 1402 General Physics II	6	FA, SP, SUM	FA, SP, SUM	
PHYS 2425 Physics for Scientists and Engineers I and PHYS 2426 Physics for Scientists and Engineers	6	FA, SP, SUM	FA, SP, SUM	

040 - Language, Philosophy, and Culture – 3 hours

	Hours	BRW	ED	ONL
PHIL 2326	3	FA, SP, SUM	FA, SP, SUM	
050 - Creative Arts option – 3 hours	3	FA, SP, SUM	FA, SP, SUM	

060 - American History – 6 hours

	Hours	BRW	ED	ONL
HIST 1301 U.S. History I or HIST 1387 (H) or HIST/MASC 2327 Mexican American History I	3	FA, SP, SUM	FA, SP, SUM	
HIST 1302 U.S. History II or HIST 1388 (H) or HIST/MASC 2328 Mexican American History II	3	FA, SP, SUM	FA, SP, SUM	

070 - Government/Political Science – 6 hours

	Hours	BRW	ED	ONL
POLS 2305 U.S. Federal Govt & Politics or POLS 2385(H)	3	FA, SP, SUM	FA, SP, SUM	
POLS 2306 Texas Government & Politics or POLS 2386 (H)	3	FA, SP, SUM	FA, SP, SUM	
080 - Social and Behavioral Sciences option - 3 hours	3	FA, SP, SUM	FA, SP, SUM	

090 - Integrative and Experiential Learning – 6 hours

	Hours	BRW	ED	ONL
COMM 1315	3	FA, SP, SUM	FA, SP, SUM	
Complete 1-hour of laboratory from corresponding science course from category 030	1	FA, SP, SUM	FA, SP, SUM	
Complete 1-hour of laboratory from corresponding science course from category 030	1	FA, SP, SUM	FA, SP, SUM	
Choose 1-hour from this category 090	1	FA, SP, SUM	FA, SP, SUM	

Major Requirements - 50 hours (36 advanced)

Computer Science Core - 32 hours; minimum grade of C (18 advanced)

Course	Hours			Notes
CSCI 1101 Intro to Computer Science	1	FA, SP	FA, SP	
CSCI 1370 Engr Computer Science I	3	FA, SP	FA, SP	
CSCI 1170 Engr Computer Science Lab	1	FA, SP	FA, SP	
CSCI 2333 Comp. Org. and Assembly Lang.	3	FA, SP	FA, SP	
CSCI 2344 Prog. In Unix/Linux Envir.	3	FA, SP	FA, SP	
CSCI 2380 Computer Science II	3	FA, SP, SUM	FA, SP, SUM	
CSCI 3310 Mathematical Found Of Comp Sci	3	FA, SP	FA, SP, SUM	
CSCI 3333 Algorithms & Data Structures	3	FA, SP	FA, SP	
CSCI 3336 Organization of Prog. Lang.	3	FA	SP, SUM	As scheduled. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 3340 Software Engineering I	3	SP	FA, SP	As scheduled. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 4325 Automata, Formal Lang. & Comp.	3	SP	FA, SP	As scheduled. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 4390 Senior Project	3	FA, SP	FA, SP	

Computer Science Electives - 18 hours (18 advanced)
Second Programming Language - 3 hours; minimum grade of C. Choose from:

Course	Hours			Notes
CSCI 3326 OOP Java	3	FA	FA, SP, SUM	As scheduled. Specific languages are rotated and new ones introduced over time.
CSCI 3327 OOP	3			As scheduled. Specific languages are rotated and new ones introduced over time.
CSCI 3328 OOP C#	3	SP	SP	As scheduled. Specific languages are rotated and new ones introduced over time.
CSCI 3329 OOP Python	3		FA	As scheduled. Specific languages are rotated and new ones introduced over time.

Databases, Networking, Architecture and Operating Systems – 6 hours; minimum grade of C. Choose two from:

Course	Hours			Notes
CSCI 4333 Database Design and Implementation	3	SP	FA, SP	As scheduled. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 4334 Operating Systems	3	FA	FA, SP	As scheduled. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 4335 Computer Architecture	3	FA	FA, SP	As scheduled. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 4345 Computer Networks	3	FA	FA, SP, SUM	As scheduled. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.

Technical Electives – 9 hours. Choose three from:

Course	Hours			Notes
CSCI 3300 Internship in Comp Science	3	FA, SP, SUM	FA, SP, SUM	Course credit for work done in an external internship. Contact the department to see if your internship qualifies.
CSCI 3334 Systems Programming	3	FA	FA, SP	As scheduled. Regular elective offering. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 3341 Software Engineering II	3		FA, SP	As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 3342 Internet Programming	3	SP, SUM	FA, SP	As scheduled. Regular elective offering. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 3370 Intro to Game Development	3	FA	SP	As scheduled. Regular elective offering. As demand increases, we move courses from 1-sem/yr to 2-sem/yr.
CSCI 4185 Research Seminar (can repeat up to 3 times)	3	FA, SP, SUM	FA, SP, SUM	
CSCI 4301 Digital Image Processing	3	SP		As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4310 Design and Analysis of Alg	3		SP	As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4318 Cyber Security	3	SP		As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4319 Digital Forensics	3	SUM		As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4341 Topics in Computer Science	3	FA, SP	FA, SP	Special topics courses are available most semesters, but depend on faculty expertise and availability.
CSCI 4343 Data Mining	3	FA		As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4344 Bioinformatics	3		SP	As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4350 Artificial Intelligence	3	FA		As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4352 Machine Learning	3	SP	FA	As scheduled. Additional electives are offered based on faculty expertise and availability.
CSCI 4365 Computer and Network Security	3	SP		As scheduled. Additional electives are offered based on faculty expertise and availability.

Support Courses - 28 hours (6 advanced)
Oral and Written Communication – 3 hours (3 advanced)

Course	Hours			Notes
ENGL 3342 Technical Communication	3	FA, SP, SUM	FA, SP, SUM	

Mathematics and Engineering – 15 hours (3 advanced)

Course	Hours			Notes
ELEE 2130 Digital Systems Engineering I Lab	1	FA, SP	FA, SP	

ELEE 2330 Digital Systems Engineering I	3	FA, SP	FA, SP
MATH 2318 Linear Algebra	3	FA, SP, SUM	FA, SP, SUM
MATH 2413 Calculus - 1 hour from category 020 of the Gen. Edu. Core	1	FA, SP, SUM	FA, SP, SUM
MATH 2414 Calculus II	4	FA, SP, SUM	FA, SP, SUM
STAT 3337 or ELEE 3340 or STAT 3301	3	FA, SP, SUM	FA, SP, SUM

Free Electives – 10 hours	10	FA, SP, SUM	FA, SP, SUM
Percent of Degree can be completed in ED (incl. ONL and ITV)	100%		
Percent of Degree can be completed in BRW (incl. ONL and ITV)	100%		

Formula Notes: Take the number of hours required for the degree and the number of hours that could be completed on each campus to help determine the percentage.

Example: If degree requires 120 hours and 117 can be completed in BRW, then 117/120 = .975 or 97.5%