

Critical Technological Studies (B.S.) – Engineering Track

2023-2024 Academic Catalog, Bachelor of Science – Critical Technological Studies, Engineering Track

| Academic Core for B.S. | | 45 Hours | Critical Technological Studies | | 42 Hours |
|---|---|-----------------|--|---|-----------------|
| CHRISTIAN STUDIES | | 6 | B.S. ENGINEERING TRACK REQUIRED COURSES | | 21 |
| CSBS 1311 | Engaging the Old Testament | 3 | CISC 2330 | Introduction to Object-Oriented Programming | 3 |
| CSBS 1312 | Engaging the New Testament | 3 | CISC 3322 | Web Development | 3 |
| ENGLISH | | 9 | ENGR 1310 | Introduction to Engineering | 3 |
| ENGL 1321 | Rhetoric & Composition I | 3 | ENGR 1320 | Introduction to Engineering Fundamentals | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 | ENGR 2320 | Statics | 3 |
| ENGL | Literature | 3 | ENGR 2345 | Thermodynamics | 3 |
| <i>A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.</i> | | | ENGR 3360 | Engineering for Humanity | 3 |
| EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES | | 2 | REQUIRED HUMANITIES COURSES | | 9 |
| EXAC | Activity Course | 1 | HUMA 2355 | Foundings | 3 |
| EXAC | Activity Course | 1 | WRIT 3342 | Advanced Grammar | 3 |
| FINE ARTS – SELECT ONE | | 3 | WRIT 3344 | Scientific Writing | 3 |
| ARTS 1350 | Art Appreciation | 3 | VARIED ANALYSIS – SELECT ONE | | 3 |
| COMM 2335 | Film Appreciation | 3 | COMM 2390 | Introduction to Film Studies | 3 |
| FINA 2330 | Exploring the Fine Arts | 3 | ENGL | Literature | 3 |
| MUSI 1340 | Music Appreciation | 3 | ORAL COMMUNICATION – SELECT ONE | | 3 |
| THEA 2350 | Introduction to the Theatre | 3 | COMM 3310 | Persuasion | 3 |
| WORLD CULTURES – SELECT ONE | | 3 | COMM 3325 | Advanced Public Speaking | 3 |
| ARTS 2354 | World Art | 3 | CULTURAL HUMANITIES – SELECT ONE | | 3 |
| EXSS 2353 | Lifespan Nutrition | 3 | HUMA 2350 | Origins | 3 |
| GLBL 2310 | Cultural Immersion | 3 | HUMA 2360 | Explorations | 3 |
| HIST 1311 | History of World Civilizations to 1500 | 3 | PRACTICAL MEDIA SKILLS – SELECT ONE | | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 | COMM 3343 | Documentary Filmmaking | 3 |
| MUSI 2358 | World Music | 3 | COMM 4377 | Narrative Film Production | 3 |
| PHIL 2315 | Introduction to Philosophy | 3 | Electives | | 33 Hours |
| LAB SCIENCE | | 8 | UPPER LEVEL ELECTIVES | | 18 |
| | Laboratory Science Courses | 8 | You need 18 additional hours to reach your minimum 36 UL required hrs. | | |
| PUBLIC SPEAKING | | 3 | ELECTIVES | | 15 |
| COMM 1320 | Public Speaking | 3 | You need 15 additional hours to reach your minimum 120 required hrs. | | |
| MATHEMATICS | | 4 | Total Hours | | |
| MATH 1430 | Calculus I | 4 | Academic Core for B.S. | 45 | |
| SOCIAL SCIENCE – SELECT ONE | | 3 | B.S. Critical Technological Studies Required Courses | 42 | |
| BECO 2310 | Principles of Economics | 3 | Upper Level Electives | 18 | |
| PSYC 1301 | General Psychology | 3 | Electives | 15 | |
| PSYC 2399 | Child and Adolescent Development | 3 | Total hours required for graduation | 120 | |
| SOCI 1311 | Introduction to Sociology | 3 | Additional Graduation Requirements | | |
| SOCW 2311 | Introduction to Social Work | 3 | Minimum Upper Level hours | 36 | |
| US HISTORY OR US GOVERNMENT – SELECT ONE | | 3 | Minimum hours taken at UMHB | 30 | |
| HIST 2311 | American History to 1877 | 3 | Minimum Upper Level hours taken at UMHB | 24 | |
| HIST 2312 | American History since 1877 | 3 | Minimum cumulative GPA | 2.0 | |
| POLS 2305 | United States Government | 3 | | | |
| POLS 2306 | Texas State and Local Government | 3 | | | |
| RESEARCH METHODS OR INTERNSHIP | | | | | |
| ENGR 4090 | Practical Experience | - | | | |
| FRESHMAN SEMINAR | | 1 | | | |
| UMHB 1101 | Freshman Seminar | 1 | | | |
| CHAPEL – 1 to 4 credits | | | | | |
| UMHB 1002 | Chapel | | | | |
| Fine Arts Experience – 2 to 8 credits | | | | | |
| UMHB 1005 | Fine Arts Experience | | | | |