

Western Carolina University
BS Engineering and Technology - Technical Operations
Program Guide for Transfer Students - 124 Credit Hours

Program Requirements	Transfer Equivalents	Notes and Helpful Information
Liberal Studies (42 to 44 hours)		
C1: Writing C1: Writing C2: Math C3: Oral Communication C4: Wellness C5: Science C5: Science P1: Social Science P1: Social Science P3: History P4: Humanities P5: Fine and Performing Arts P6: World Culture Upper Level Perspective First Year Sem.	Courses listed in this column are transfer equivalents from the NC Community College System. C1- ENG 111 C1- ENG 112, ENG 113, or ENG 114 C3- COM 110, COM 231, COM 250 or ENG 115 C4- HEA 110 or PED 110 P1- Must be two from different disciplines ANT 210, ECO 251, 252; GEO 113; POL 110, 120; PSY 150, 259; SOC 210, 220, 230 P3- FRE 110; HIS 111, 112, 121, 131; REL 112, 211, 212, 221 P4- ENG 131, 253, 265, 271, 274; HUM 110, 120, 130, 160; PHI 210, 220, 240 P5- ART 111; DAN 110; DRA 111, MUS 110, 113 P6- ANT 210; ENG 261, 262, FRE 111, 112; SPA 111, 112; GEO 112; GER 111, 112; REL 110, 111	Visit the Liberal Studies web site for a "crosswalk" reference of courses for additional information: https://wcussbprod.wcu.edu/pls/WCUPROD/bzsktrac.P_Display_Courses Courses transferred from other institutions besides the NC Community College system are applied on a case by case basis. The Upper Level Perspective course must be taken at WCU unless your liberal studies requirements were waived completely by transfer of an AA or AS from the NCCCS If you take an appropriate upper level P1 through P6 course it can also count as the upper level perspective; thereby, one course can fulfill two requirements
Math & Science Requirements (16 to 18 hours)		
Trigonometry Calculus Statistics Physics Chemistry	MAT 171 and MAT 172 MAT 271 MAT 151, MAT 152, or MAT 155 PHY 131 or PHY 151 CHEM 131 or CHEM 151	
ETO LOWER Requirements (12 hours)		
ET 132 (ETO 19 G) ET 141 (ETO 19 M) ET 231 (ETO 19 C) ET 232 (ETO 19 S)	DFT 151 or equivalent MEC 180 or equivalent DFT 152 or equivalent EGR 250 or equivalent	
ETO LOWER Electives (21 hours total, 6 hours of ET29A)		
ET 29 A ET 29 A ET 19 A or ET 29 A ET 19 A or ET 29 A ET 19 A or ET 29 A ET 19 A or ET 29 A ET 19 A or ET 29 A	Any lower level technical transfer courses from these areas: ACC, AHR, ALT, ARC, ATR, BAT, BMT, BPR, BTC, BUS, CEG, CET, CIS, CIV, CMT, CSC, CTI, CTS, DBA, DDF, DEA, DFT, EGR, ELC, ELN, ENV, ELN, EPP, FBG, FMW, GIS, HYD, IMS, ISC, ITN, LEO, LOG, MAC, MEC, MLG, MNT, NAN, NDE, NET, NOS, NUC, OMT, OSS, PCI, PHY, PLA, PMT, PPT, RCT, SEC, SGD, SRV, SST, TCT, TDP, TNE, WEB, WBL and WLD	Students need at least six hours of '200' level transfer
ETO UPPER Requirements (33 hours)		
See list of courses at the bottom of page for ETO Upper course options.	Courses in this category must to be taken at WCU Courses offered each semester are posted in the ET Distance Organization in Blackboard. Once students officially enter the program, they will have access to this resource. Students can choose 10 courses based on their professional interests, but ET 478 is a required capstone course to be taken during one of their final semesters in the program. All courses are offered on a rotational basis at the three distance campuses. A limited number are offered online.	You must complete a minimum of 33 hours of upper level ET courses ET 495 is a one credit hour course designed to keep students enrolled in the ET program while taking transfer courses from another institution. ET 495 can be taken up to six times to keep students active in the WCU system. After a student takes ET 495 three times, those three credits will count toward the total thirty three for the program
<p>1. University degree requirement: 25% of hours applied toward the bachelor's degree must be 300 - 400 level. 128 / 4 = 32 hours</p> <p>2. Major requirement: 50% of credits in major must be 300 - 400 level. 63 / 2 = 32 hours. This includes transfer hours.</p> <p>3. Community College students can take the 44-hour core and satisfy the entire Liberal Studies requirement. Otherwise, most of the Liberal Studies courses do have equivalents at the community colleges.</p>		
<p>ETO Upper Course List: ECET 301 Electrical Systems, ET 310 Adv. 3-D Mod. and Rapid Prototyping, ET 331 Quality Systems, ET 332 Strength of Materials, ET 335 Occupational Safety Standards, ET 337 Management of Safety Systems, ET 338 Fire Control & Compliance Mgmt., ET 342 Lean Manufacturing Systems, ET 349 Rapid Tooling and Prototyping, ET 351 Engineering Analysis, ET 362 Engineering Logistics, ET 366 Man. Materials & Processes, ET 420 Adv. Engineering Materials, ET 421 Ergonomics, ET 425 Metrology and Reverse Engineering, ET 434 Plant Layout, ET 435 Technology and Civilization, ET 436 Engineering Economic Analysis, ET 441 Power Transmission Systems, ET 461 Engineering Project Management, ET 472 Integrated Control Systems, ET 478 Integrated Systems Project, ET 495 Engineering Technology Seminar</p>		