

BESA-Gen Ed Bachelor of Engineering Studies and Arts (BESA)

Fall 2024

BESA General Education (Gen Ed) Requirements

92 units (minimum)

University Requirement	3 units	BXA Required Courses	36 units
99-101B Core@CMU (Fall, First-year)	3	52-190 BXA Sem. I: Building the Wunderkammer (Fall Mini-3, First-year)	4.5
Writing	9 units	52-291 BXA Sem. II: Transferring Knowledge (Spring Mini-4, Sophomore)	4.5
76-101 Interpretation and Argument (First-year) or 76-102 Advanced First Year Writing: Special Topics (invite only) or choose two mini courses from the following list:	9	52-392 BXA Sem. III: Deconstructing Disciplines (Spring, Junior)	9
76-106 Writing about Literature, Art and Culture	4.5	52-401 BXA Sem. IV: Capstone Project Research (Fall, Senior)	9
76-107 Writing about Data	4.5	52-402 BXA Sem. V: Capstone Project Production (Spring, Senior)	9
76-108 Writing about Public Problems	4.5		
Mathematics	20 units		
21-120 Differential and Integral Calculus	10		
21-122 Integration and Approximation	10		
Science and Technology	24 units		
15-112 Fundamentals of Programming and Computer Science (15-110 or 15-112 for MechE concentration option only)	12		
33-141 Physics I for Engineering Students	12		

BESA Free Electives

38-87 units (minimum)

Take any Carnegie Mellon course. A maximum of 9 units of physical education and/or military science may be counted toward this requirement.

BESA Gen Ed: 92 units + ENG Concentration: 93-120 units + CFA Concentration: 108-130 units = 293-342 units
BESA Curriculum: 293-342 units + Free Electives: 38-87 units = 380 units: BESA Degree Graduation Requirement (minimum)