

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)		9	52-392	BXA Sem. III: Deconstructing Disciplines (Spring, Junior)	9
or 76-102 Advanced First Year Writing: Special Topics (invite only)			52-401	BXA Sem. IV: Capstone Project Research (Fall, Senior)	9
or choose two mini courses from the following list:			52-402	BXA Sem. V: Capstone Project Production (Spring, Senior)	9
76-106 Writing about Literature, Art and Culture		4.5			
76-107 Writing about Data		4.5			
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)