



Bachelor of Science in Construction Management: MiraCosta College

To earn a bachelor's degree from National University students must complete a minimum of 180 quarter units. Requirements include but are not limited to the university's general education program (to include upper division and cultural diversity), the preparatory courses listed below, major core coursework and any additional courses necessary to fulfill overall program requirements.

The table below maps National University's courses to equivalencies identified at MiraCosta College.

MiraCosta College	National University
Equivalent Transfer Course	Preparatory Courses Required (13 courses; 55.5 quarter units)
COMM 101 Public Speaking	COM 103 Public Speaking
LIBR 201 Research in the Digital Age	ILR 260 Information Literacy
MATH 126 Pre-Calculus I: College Algebra and MATH 131 Pre-Calculus II: Trig & Analytic Geometry	MTH 215 College Algebra & Trigonometry
Completion of the following sequence will waive PHYS 111 Introductory Physics I and PHYS 112 Introductory Physics II or <i>No Equivalent MiraCosta College Course</i>	PHS 104 Introductory Physics PHS 104A Introductory Physics Lab (1.5 quarter units) or PHS 130A Physics Lab for Engineering (1.5 quarter units)
<i>No Equivalent MiraCosta College Course</i>	EGR 220 Engineering Mathematics
<i>No Equivalent MiraCosta College Course</i>	EGR 225 Statics & Strength of Material
DESN 101 Computer-Aided Design and Drafting	EGR 219 Intro to Graphics and Auto CAD
MATH 103 Statistics	CSC 220 Applied Probability & Stats.
ACC 201 Financial Accounting	ACC 201 Financial Accounting Funds.
ECON 102 Principles of Economics: Mirco	ECO 203 Principles of Microeconomics
ECON 101 Principles of Economics: Macro	ECO 204 Principles of Macroeconomics
<i>No Equivalent MiraCosta College Course</i>	ENG 334A Technical Writing

Requirements for the Major at National University (18 courses; 78 quarter units)	
MGT 309C Prin. of Mgmt & Organizations	CEN 410 Constr Materials and Methods
EGR 310 Engineering Economics	CEN 413 Plans and Specifications
EGR 320 Scientific Problem Solving	CEN 416 Mech and Electrical Systems
EGR 320L Scientific Problem Solving-LAB (1.5 quarter units)	CEN 419 Est., Scheduling and Control
EGR 316 Legal Aspects of Engineering	EGR 440 Project Management Fundamental
DEN 308 Computer Aided Engineering I	CEN 420 Est., Scheduling & Control II
CEN 320 Surveying, Metrics and GIS	CEN 422 Field Inspection and Safety
CEN 323 Structural Analysis	CEN 421 Constr, Acct, Finance and Law
CEN 325 Soil Mechanics and Foundation	CEN 425 Design & Const Process Integra
Construction Senior Project (3 courses; 13.5 quarter units)	
CEN 486A Construction Senior Project I	
CEN 486B Construction Senior Project II	
CEN 486C Construction Senior ProjectIII	

Note: There requirements are subject to change. Please see National University's online General Catalog for official record of requirements for the year you are admitted.