

Courses equalization for Students willing to transfer from Mainstream to Credit Hours for achieving a Dual Degree with UEL



For the following programmes, correspondingly

ENVR to Freshmen Level
ENVR to Sophomore Level

CESS to Freshmen Level
CESS to Sophomore Level

BLDG to Freshmen Level
BLDG to Sophomore Level

for

**Environmental Architecture
and Urbanism Program**

ENVR



Equivalency for Students Transferring to ENVR Program to Sophomore Level from Fundamental Year Mainstream – Faculty of Engineering, ASU

Recognized courses from Fundamental Year, Mainstream Track to Freshman Year (ENVR Program) – CHEP Track

Fundamental Year Mainstream	Freshman Level – ENVR Program Credit Hour System
PHM 011: Mathematics (1)	PHM 012: Calculus for Engineering (1)
	PHM 013: Calculus for Engineering (2)
	PHM 014: Linear Algebra and Analytical Geometry
PHM 021: Physics (1)	PHM 022: Waves, electricity and Magnetic Fields
PHM 031: Mechanics (1)	PHM 032: Engineering Mechanics (1) - Statics
	PHM 033: Engineering Mechanics (2) - Dynamics
PHM 041: Engineering Chemistry	PHM 042: General Chemistry
HUM x11: Technical English Language	HUM x11: English Language
CSE 011: Computer Technology	HUM x61: Computer Skills (0 Credit)
MDP 021: Engineering Drawing	MDP 061: Engineering Design and Graphics
MDP 022: Production Technology and Engineering History	MDP 024: Production engineering
	HUM x86: Engineering History (advanced recognized)

Remaining non-recognized courses at the ENVR program for Freshmen Level

- ARC 011 - Visual Studies and Design Fundamentals (2 CHs)
- HUM x51 - Nile River & Contemporary Issues (2 CHs)
- HUMx41 - Professional Ethics (2 CHs)

Advanced recognized Courses (Sophomore Level)

- HUM x86: Engineering History (2 CHs)

Transferred student needs to register only additional **4 CHs**



Equivalency for Students Transferring to ENVR program to Junior Level from Y1 Architecture Mainstream – Faculty of Engineering, ASU

Recognized courses from Mainstream Track to ENVR program – CHEP Track

Y1 Architecture Mainstream	Sophomore Level ENVR program
ARC 111 Visual Design & Design Fundamentals	ARC 011 Visual Studies & Design Fundamentals ARC 115 Architectural Design Studio (1)
ARC 112 Architectural Drawing & Representation Techniques	HUM x52 Communication & Presentation Skills ARC 116 Shades, Shadows, and Perspective
ARC 113 Architectural Design (1)	ARC 152 Architectural Design Studio(2)
ARC 121 Theory of Architecture (1)	ARC 122 History and Theory of Architecture
ARC 131 History of Architecture (1)	UPL 111 History and Theory of Urbanism
ARC 151 Building Construction	ARC 132 Building Technology(1)
ARC 161 Environmental Design & Control	ARC 143 Control of Thermal Environment
Environmental Impact of Projects	HUM x51 Nile River & Contemporary Issues UPL 212 People and Environment (advanced recognized)
Survey	CEP 114 Land Surveying
Foundations & Testing of Materials	CES 143 Building Engineering Materials
Theory of Structures	CES 117 Structure Analysis

Remaining non-recognized courses at the ENVR program from Freshmen Level & Sophomore

- HUMx41 Professional Ethics (2 CHs)
- UPL 121 Urbanism and Climate (3 CHs)
- ARC 136 Digital Presentation of the Built Environment (2 CHs)

Advanced recognized Courses (Junior Level)

- UPL 212 People and Environment (3 CHs)

Transferred student needs to register only additional **4 CHs**

for

**Computer Engineering and
Software Systems Program**

CESS



Equivalency for Students Transferring to Sophomore Level (CESS Program) from Fundamental Year Mainstream – Faculty of Engineering, ASU

Recognized courses from Mainstream Track to Freshman Year (CESS Program) – CHEP Track

Fundamental Year Mainstream	Freshman Level – CESS Program Credit Hour System
PHM 011: Mathematics (1)	PHM 012: Calculus for Engineering (1)
	PHM 013: Calculus for Engineering (2)
	PHM 014: Linear Algebra and Analytical Geometry
PHM 021: Physics (1)	PHM 022: Waves, electricity and Magnetic Fields
PHM 031: Mechanics (1)	PHM 032: Engineering Mechanics (1) - Statics
	PHM 033: Engineering Mechanics (2) - Dynamics
PHM 041: Engineering Chemistry	PHM 042: General Chemistry
HUM x11: Technical English Language	HUM 011: English Language
CSE 011: Computer Technology	CSE 012: Engineering Computation
MDP 021: Engineering Drawing	MDP 061: Engineering Design and Graphics
MDP 022: Production Technology and Engineering History	MDP 024: Production engineering
	HUM 014: Engineering Profession

Remaining non-recognized courses at the CESS program for Freshmen Level

- HUM xxx: Humanities Elective (2)



Equivalency for Students Transferring to Junior Level CESS program from Y1 Electrical Engineering Mainstream – Faculty of Engineering, ASU

Recognized courses from Mainstream Track to CESS program – CHEP Track

Y1 Electrical Engineering Mainstream	Sophomore Level CESS program
PHM 112: Mathematics (2)	PHM 113: Calculus for Engineering (3)
	PHM 115: Differential Equations and Partial Differential Equations
HUM x31: Engineering Economy	HUM 111: Engineering Economy
HUM x12: Technical Report Writing	HUM 013: Technical writing and Communication
EPM 113: Electric Circuits	ECE 141: Electrical and Electronic Circuits
ECE 131: Electronic Engineering	
CSE 121: Computer Programming	CSE 125: Computer Programming (1)

Remaining non-recognized courses at the CESS program for Freshmen Level & Y1

- PHM114 – Statistics and Probability for Engineering (3 CH)
- MDP132 – Structures and Properties of materials (3 CH)
- CSE 115 – Digital Design (3 CH)
- CSE 116 – Computer Architecture (3 CH)
- CSE 126 – Computer Programming (2) (3 CH)
- CSE 127 – Data Structures and Algorithms (3 CH)
- CSE128 – Software Engineering (2) (3 CH)

for

Building Engineering Program

BLDG



Equivalency for Students Transferring to Sophomore Level (BLDG Program) from Fundamental Year Mainstream – Faculty of Engineering, ASU

Recognized courses from Mainstream Track to Freshman Year (BLDG Program) – CHEP Track

Y0 Civil Mainstream	Freshmen Level BLDG program
PHM 011 Mathematics (1)	PHM012 Calculus for Engineering (1)
	PHM013 Calculus for Engineering (2)
	PHM014 Linear Algebra and Analytical Geometry
PHM 021 Physics (1)	PHM022 Waves, Electricity, and Magnetic Fields
PHM 031 Mechanics (1)	PHM032 Engineering Mechanics (1) - Statics
	PHM033 Engineering Mechanics (2) - Dynamics
MDP 021 Engineering Drawing & Projection	MDP061 Engineering Design and Graphics
PHM 041 Chemistry	PHM042 General Chemistry
CSE 011 Computer Technology	CSE012 Engineering Computation
MDP 022 Production Technology & Engineering History	MDP024 Production Engineering
	HUM014 Engineering Profession, Practice, and Responsibilities
HUM x11 Technical English Language	HUM011 English Language

Remaining non-recognized courses at the BLDG program for Freshmen Level

- HUM xxx - Humanities Elective (2) (3 CHs)



Equivalency for Students Transferring to Junior Level (BLDG program) from Y1 Civil Mainstream – Faculty of Engineering, ASU

Recognized courses from Mainstream Track to BLDG program – CHEP Track

Y1 Civil Mainstream	Sophomore Level BLDG program
PHM 111 Mathematics (2)	-----
CES 111 Structural Analysis (1)	CES115 Structural Analysis (1)
CES 141 Properties & Testing of Materials (1)	CES143 Building Engineering Materials
CEP 111 Plane Surveying	CEP212 Surveying (1) - Junior Level
CEI 111 Civil Drawing	-----
HUM x42 Environmental Impact of Projects	-----
CEI 121 Fluid Mechanics	CEI122 Fluid Mechanics
EPM 111 Electrical & Mechanical Engineering	-----

Remaining non-recognized courses at the BLDG program for Freshmen Level & Y1

- PHM113 Calculus for Engineering (3 CHs)
- PHM115 Differential Equations and Partial Differential Equations (3 CHs)
- ARC114 Building Engineering Drawing (3 CHs)
- CES121 Building Engineering Systems (3 CHs)
- MDP132 Structures and Properties of Materials (3 CHs)
- MEP113 Building Thermal Sciences (3 CHs)
- PHM114 Statistics and Probability for Engineering (3 CHs)
- CES116 Strength of Materials (3CHs)
- HUM xxx - Humanities Elective (2) (3 CHs)
- HUM xxx - Humanities Elective (3) (3 CHs)