									9-Jun-15
Engineering			**INSTITUTIONAL LEARNING OUTCOMES (CORE COMPETENCIES) MAPPING**						
Discipline	**Course No.**	**Course Title**	**I. Communication Skills**	**II. Thinking & Reasoning**	**III. Information Management**	**IV. Diversity**	**V. Civic Responsibility**	**VI. Life Skills**	**VII. Careers**
ENGR	011	Basic Mechanical Blueprint							x
ENGR	012	AEC Blueprint Reading							x
ENGR	27	Electronic Drafting							x
ENGR	51	Basic Technical Drawing							x
ENGR	69	Computer Aided Drafting Laboratory							x
ENGR	100A	Inroduction to Engineering							x
ENGR	100B	Introduction To Architecture/ Civil Engineering/ Construction (AEC)							x
ENGR	103	Solidworks Basic Solid Modeling							x
ENGR	104	Solidworks intermediate Solid Modeling							x
ENGR	105	Solidworks Advanced Solid Modeling							x
ENGR	110	Advanced CAD Applications							x
ENGR	112	Society and the Built Environment	x						x
ENGR	114	Geometric Dimensioning and Tolerancing							x
ENGR	115	Cooperative Work Experience Education - Occupational							x
ENGR	118	Plane Surveying							x
ENGR	119	Advanced Plane Surveying							x
ENGR	122	Engineering Drawing							x
ENGR	124	Advanced Drawing							x
ENGR	125	Engineering Graphics							x
ENGR	130A	CATIA Solid Modeling I							x
ENGR	130B	CAITA Solid Modeling II							x
ENGR	132	Introduction to Robotics							x
ENGR	134	Intro to Electromechanical Engineering Design							x
ENGR	135	Electricity & Electronics for Engineering Technicians							x
ENGR	136	Fabrication & Automation Techniques for Engineering Technology							x
ENGR	137	Engineering Design & Development							x
ENGR	140A	ProEngineering Solid Modeling I							x

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ENGR	140B	ProEngineering Solid Modeling II							x
ENGR	142	Architecture/Civil Engineering/Construction (AEC) Drafting Standards							x
ENGR	148	Introduction to Mechanical, Industrial, Electrical Engineering							x
ENGR	149	Introduction To Architecture/ Civil Engineering/ Construction (AEC)							x
ENGR	154	Architecture/Civil Engineering/Construction (AEC) AutoCAD Drafting							x
ENGR	165	Introduction to Energy							x
ENGR	175	Introduction to Energy Analysis							x
ENGR	183	AutoCAD I - Computer Aided Drafting							x
ENGR	184	AutoCAD II - Computer Aided Drafting							x
ENGR	185	AutoCAD III - Computer Aided Drafting							x
ENGR	186	AutoCAD 3-Dimensional Drawing							x
ENGR	187	Advanced 3-D AutoCAD							x
ENGR	188	Machine Technology Survey							x
ENGR	191	Civil CAD Concepts							x
ENGR	193	MicroStation 3-D							x
ENGR	201	Architectural Practice							x
ENGR	202	Cost Accounting for Construction Engineering							x
ENGR	203	Sustainable Construction and Facilities Management							x
ENGR	205	Civil Digital Computations							x
ENGR	228	Descriptive Geometry		x					
ENGR	235	Statics		x					
ENGR	240	Dynamics		x					
ENGR	250	Electric Circuits		x					
ENGR	250L	Electric Circuits Laboratory		x					
ENGR	281	Properties Of Engineering Materials		x					