

- **Study Plan**

BEng (Hons) Mechanical Engineering (ASU) Bridging Programme

HEC Compulsory Courses				
No.	Course Code	Course Title	Credit	Level
1	ASU_S_HUR	Human Rights	0	S
2	ASU_S_ALA ASU_S_ALN	Arabic Language or Arabic Language for Non-Arabic Speakers	0	S
3	ASU_S_BCH	Bahrain Civilization & History	0	S

Programme Study Plan				
No.	Course Code	Course Title	Credit	Level
Year 1 – First Semester				
1	ASU_5_AMM	Advanced Engineering Mathematics and Modelling	20	5
2	ASU_5_FEA	Solid Mechanics and Finite Element Analysis (FEA)	20	5
3	ASU_5_MDM	Machine Drives and Mechatronics	20	5
Year 1 – Second Semester				
1	ASU_5_DAC	Dynamics and Control	10	5
2	ASU_5_TSE	Thermofluids and Sustainable Energy	20	5
3	ASU_5_END	Engineering Design	20	5
Year 1 – Summer Semester				
1	ASU_5_INT	Internship	10	5
Year 2 – First Semester				
1	ASU_6_DSM	Dynamics and System Modelling	20	6
2	ASU_6_PRO	Project	40	6
Year 2 – Second Semester				
1	ASU_6_IAE	Innovation and Enterprise	20	6
2	ASU_6_TTM	Thermofluids and Turbo Machinery	20	6
3	ASU_6_MMT	Manufacturing Systems and Materials Technologies	20	6