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**Ain Shams University**  
**Faculty of Engineering**  
**Specialized Credit Hours Programs**  
**(S-CHEP)**

**Design and Production Engineering Program**  
**2018/2019**

Table [5] The relationship matrix of “Program Competences Vs Program’s Courses”

Courses	A0	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	C1	C2	C3	C4	C5a	C5b	C5c	C5d
University Requirements																							
ASU 011	●																						
ASU 111	●																						
ASU 112	●								●	●													
ASU 113																							
ASU 114						●			●														
ASU 321		●	●																				
ASU 322																							
ASU 323																							
ASU 324																							
ASU 331																							
ASU 332																							
ASU 333							●			●	●												
ASU 334																							
ASU 335						●			●		●												
ASU 336				●																			
Faculty Requirements																							
PHM 011																							
ENG 111	●																						
PHM 012		●	●																				
PHM 013		●	●																				
PHM 021		●	●						●														
PHM 022		●	●						●														
PHM 031		●	●			●			●														
PHM 032		●	●						●														
PHM 041		●	●			●		●															
PHM 111									●		●												

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[illegible]