**工業4.0－智慧生產學程(微學程)**

**Industry 4.0－Intelligent Production**

**107學年度入學新生適用**

**for Admission in Academic Year 2018: Fall 2018 & Spring 2019**

108.01.02 一○七學年度第四次教務會議修訂通過

Amended by the 4th Academic Affairs Meeting, Academic Year 2018, on January 02, 2019

**必修課程：共3學分 Required: Total 3 credits**

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| **課號**  course code | **課程名稱**course name | **開課學系**Department | **學分數**  credits |
| EG201 | 智慧生產概論  Introduction to Intelligent Production | 工程學院  College of Engineering | 3 |

**選修課程：至少選二門課 Elective: At least 2 courses**

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| **課號**  course code | **課程名稱**course name | **開課學系**Department | **學分數**  credits |
| IE120 | RFID概論Introduction to RFID | 工管IEM | 3 |
| IE122 | 基礎物聯網應用與實作  Fundamental Applications and Practices of Internet of Things | 工管IEM | 3 |
| IE247 | 系統模擬與應用  System Simulation and Applications | 工管IEM | 3 |
| IE237  IE304  IE428 | 統計建模與電腦化實作  Statistical Modeling and Computerized Implementations  應用統計分析Applied Statistical Analysis  資料分析Data Analysis （擇一） | 工管IEM | 3 |
| IE392 | 近代網路應用  Networks and Contemporary Applications | 工管IEM | 3 |
| IE302  ME335 | 工業自動化概論  Introduction to Industrial Automation  自動控制Automatic Control　 （擇一） | 工管IEM  機械ME | 3 |
| IE346  CH340 | 電路板基礎工程  General Printed Circuit Board Technology  印刷電路板製程  Printed Circuit Board Processing　 （擇一） | 工管IEM  化材CH | 3 |
| IE347  CH334 | 半導體製造工程  Introduction to Introduction to Semiconductor Manufacturing Technology  半導體製程Semiconductor Processing （擇一） | 工管IEM  化材CH | 3 |
| ME385 | 感測器原理與應用Sensor Principles and Applications | 機械ME | 3 |
| ME415 | 可程式控制Sequential Programmable Control | 機械ME | 3 |
| ME441 | 自動化機械設計Machinery Design Practice(I) | 機械ME | 3 |

**學程證書授與標準：**凡修畢本學程必修課程一門、及至少2門的選修課程，共9學分，經學程負責單位審查無誤後，由工學院授與「工業 4.0－智慧生產(微學程)」學程證明書。

Program Certificate standard of issue: must complete program required courses and at least 2 elective courses (total of 9 credits); once approved by the authorized department, College of Engineering will issue “Industry 4.0－Intelligent Production” Program Certificate.