

FUNDAMENTALS OF INDUSTRY 4.0

Overview	This course provides an insight into how new technologies are creating the emergence of Industry 4.0. Participants will gain an understanding into the technologies and challenges of industry 4.0. In addition, the impact of industry 4.0 on business, security, education, and environment will be explained.	
Outcomes	At the end of this course, you will be able to: <ul style="list-style-type: none"> • Identify the requirements to move from the third to the fourth industrial revolution • Understand the technologies of industry 4.0 • Understand the requirements to implement industry 4.0 in real work environment • Understand the principles of the smart factory • Understand the basic steps to implement the smart factory 	
Hours	15 hours	
How will the module be taught?	Blended (online and in the classroom)	
Delivery Sessions Plan	This 2-day course will be delivered through one day on our Frenchay Campus with access to our state-of-the-art equipment, complimented by the remaining session delivered through online workshops and tutorial support.	
Delivery dates	Choose from: <div> <div> Group 1: December 2021 Tuesday 07/12/2021 – Teaching Day Wednesday 08/12/2021 – Demonstration in the Digital Engineering Lab Thursday 09/12/2021 – Self-study with optional online meetings </div> <div> Group 2: January 2022 Tuesday 18/01/2022 – Teaching Day Wednesday 19/01/2022 – Demonstration in the Digital Engineering Lab Thursday 20/01/ – Self-study with optional online meetings </div> <div> Group 3: February 2022 Tuesday 08/02/2022 – Teaching Day Wednesday 09/02/2022 – Demonstration in the Digital Engineering Lab Thursday 10/02/2022 – Self-study with optional online meetings </div> </div>	
Delivery location	Frenchay Campus UWE Bristol	
Course Leader	Dr Zayed Yousif Al-Shibaany	