

# POSTGRADUATE DIPLOMA IN INDUSTRIAL PHARMACEUTICAL SCIENCES, OPERATIONS AND MANAGEMENT

## Programme Requirements

### Full-time

Code	Title	Credits
<b>Part I</b>		
Students take <b>60</b> credits as follows - all listed core modules ( <b>50</b> credits) and <b>10</b> credits of elective modules:		
PF6026	Pharmaceutical Technology and Unit Operations with Regulatory Insights	5
PF6027	Pharmaceutical GxP and Regulatory Science	5
PF6032	Bioprocessing Unit Operations	5
PF6033	Pharmaceutical Analysis and Analytics	5
PF6045	Pharmaceutical Operations & Management	10
BU6514	Business Case for Analytics	5
MG6024	Developing Management and Leadership Skills	10
MG6025	Project Management	5
<i>Elective Modules</i> <sup>1</sup>		
Students take modules to the value of <b>10</b> credits from the following:		
PF6029	Biotechnology-derived and Advanced Therapy Medicinal Products (ATMPs) (5)	
PF6044	Digital Transformation in the (Bio)pharma Industry (5)	
PF6035	Lean Six Sigma for BioPharma (10)	
PF6028	Process Control and Validation for Pharmaceutical Processes (5)	
<b>Total Credits</b>		<b>60</b>

### Part-time

Code	Title	Credits
<b>Part I</b>		
Students take <b>60</b> credits as follows - all listed core modules ( <b>30</b> credits) in Year 1; and all listed core modules ( <b>20</b> credits) and <b>10</b> credits of elective modules in Year 2:		
<b>Year 1</b>		
Students take <b>30</b> credits as follows:		
<i>Core Modules</i> <sup>2</sup>		
MG6025	Project Management	5
PF6026	Pharmaceutical Technology and Unit Operations with Regulatory Insights	5
PF6027	Pharmaceutical GxP and Regulatory Science	5
PF6028	Process Control and Validation for Pharmaceutical Processes	5
PF6032	Bioprocessing Unit Operations	5
PF6033	Pharmaceutical Analysis and Analytics	5
<b>Year 2</b>		

Students take **30** credits as follows - all listed core modules (**20** credits) and **10** credits of elective modules:

<i>Core Modules</i> <sup>2</sup>		
BU6514	Business Case for Analytics	5
MG6024	Developing Management and Leadership Skills	10
PF6034	Pharmaceutical Operations	5
<i>Elective Modules</i> <sup>1</sup>		
Students take modules to the value of <b>10</b> credits from the following:		
PF6029	Biotechnology-derived and Advanced Therapy Medicinal Products (ATMPs) (5)	
PF6044	Digital Transformation in the (Bio)pharma Industry (5)	
PF6035	Lean Six Sigma for BioPharma (10)	
<b>Total Credits</b>		<b>60</b>

<sup>1</sup> Taught modules will be offered on a cyclical basis over alternative years for part-time students.

<sup>2</sup> Depending on numbers, not all electives may run in a given year.

## Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.