

**INDUSTRIAL PHARMACEUTICAL CHEMISTRY: FROM LABORATORY TO MARKET
(MSc/PgDip/PgCert)**

57F15SB1/61F15SVX/62F15SVZ

Duration: 12 months full-time (MSc); 9 months full-time (PgDip); 4 months full-time (PgCert).

Content Candidates shall be required to attend the following designated programme of courses:

Stage 1

- CM5044 Lead Compound identification (15 credit points)
- CM5045 Molecular Design and Synthesis (15 credit points)
- CM5046 Drug Metabolism and Pharmacokinetics (DMPK) (15 credit points)
- CM5047 Regulatory Aspects of Pharmaceutical Development (15 credit points)

Stage 2

- CM5540 Stability, Formulation and Packaging of Pharmaceutical Ingredients (15 credit points)
- CM5541 Analytical Methods for Pharmaceutical Analysis (15 credit points)
- CM5542 Synthetic Methods for Process Scale-up and Development (15 credit points)
- CM5543 Process Development: Critical Process Parameters and Reactor Design (15 credit points)

Stage 3

- CM5906 Industrial Pharmaceutical Chemistry – Extended Research Project (60 credit points)

Assessment: By course work, by written or oral examination, or by a combination of these, as prescribed for each course. The Degree of MSc shall not be awarded to a candidate who fails to achieve a CGS Grade of D3 in CM 5906 (Industrial Pharmaceutical Chemistry – Extended Research Project), irrespective of their performance in other courses.