

MEng Structured (Chemical Engineering)
Focus area: Data Analytics
Module scheduling 2026

Year	Module	Module code	Credits	Pre-requisite Co-requisite	Pre-reading start	Hybrid lecture block week	Post block end	Block week presentation mode	Department	Module lecturer(s)
1	Data Science (Eng)	14190-874	15	Pre-requisite: Programming 1st year university level or equivalent (enquire with DS lecturer)	09-Feb-26	23 + 24 February 16 + 17 March 8 April	10-May-26	F2F & online	Industrial Eng	Prof Mandla Gwetu
1	Applied Machine Learning	14022-874	15	Co-requisite: Data Sciences 774/874	07-Apr-26	20 + 21 April 4 + 5 May 18 May	31-May-26	Online	Industrial Eng	Prof Andries Engelbrecht
1	Plantwide Control <i>Process Control 872</i>	10894-872	15		01-Jun-26	20 + 21 July 27 July 3 August 14 August	07-Sept-26	Online	Chemical Eng	Prof Tobi Louw
1	Advanced Topics in Engineering Management	11748-873	15		24-Aug-26	9 September 16 September 22 September 7 October 21 October	22-Nov-26	F2F & online	Industrial Eng	Prof Calie Pistorius Prof Sara Grobbelaar
2	Dynamic Data Analytics <i>Data Analysis and Modelling 872</i>	10884-872	15	Pre-requisite: Applied Machine Learning 874 and Data Science (Eng) 874	09-Feb-26	19 + 20 March 26 + 27 March 13 April	11-May-26	Online	Chemical Eng	Prof Tobi Louw
2	Numerical Methods	36323-876	15		18-May-26	28 May 4 June 18 June 2 July	16-Aug-26	F2F & online	Applied Mathematics	Prof Nick Hale
2	Optimisation (Eng)	14020-874	15	Co-requisite: Data Sciences 774/874; AML 774/874	17-Aug-26	31 August + 1 September 14 + 15 September 1 October	18-Oct-26	Online	Industrial Eng	Prof Jacomine Grobler Dr Philip Venter
3	Integrated Data Analytics <i>Data Analysis and Modelling 873</i>	10884-873	15	Co-requisite: Chemical Engineering Research Project 872	09-Feb-26	25 + 26 February 4 + 5 March 10 March	11-May-26	Online	Chemical Eng	Prof Lidia Auret
3	Chemical Engineering Research Project	10882-872	60		Schedule to be discussed with qualifying students in the second academic year or year prior to module registration			Online	Chemical Eng	Individual supervisor