

**DEPARTMENT OF QUALITY AND OPERATIONS MANAGEMENT**  
**SCHOOL OF MECHANICAL AND INDUSTRIAL ENGINEERING**  
**FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT**

**ADVANCED DIPLOMA in QUALITY (1 year)**

Purpose of the programme

The purpose of the Advanced Diploma in Quality is to prepare the student from a production and/or service environment to become a quality practitioner specialising in quality tools and techniques. The qualifying person will apply a body of knowledge, skills and applied competencies of quality and quality principles, tools and techniques to implement, maintain and improve quality in their respective working environment. The qualification is to develop a graduate who is proficient in the knowledge, attitudes, insight and skills required for the quality management. The proposed curriculum will enable the student to competently apply and integrate theoretical principles, evidence-based techniques, practical experience and appropriate skills in an independent manner in a variety of settings.

Minimum admission requirements

The minimum admission requirement is a relevant National Diploma or Diploma qualification at NQF level 6 or NQF level 6 equivalent. Students are selected on the basis of academic merit and an approved field(s) of study. An average mark of 60% in the previous degree qualification is required.

Module name	NQF level of the module	Credits per module	Compulsory / optional
Statistical Quality Techniques	7	12	C
Quality Planning and Implementation	7	12	C
Quality Management Systems	7	16	C
Research Methodology	7	16	C
Continual Quality Improvement	7	16	C
Quality Auditing Systems	7	16	C
Quality Techniques	7	16	C
Project Management	7	16	C

## ADVANCED DIPLOMA in OPERATIONS MANAGEMENT (1 year)

### Purpose of the programme

The purpose of the Advanced Diploma in Operations Management is to develop the students' applied and cognitive competencies in acquisition, interpretation, understanding and applications of Operations Management principles so that students should be able to analyse and explain operations decisions. Additionally, the student should also be able to reflect on the theories and application of these operations management decisions in their respective workplace. The qualification is to develop a graduate competency in the knowledge, attitudes, insight and skills required for the quality management and related professions. The proposed curriculum will enable the graduate to competently apply and integrate theoretical principles, evidence-based techniques, practical experience and appropriate skills in an independent manner in a variety of settings.

### Minimum admission requirements

The minimum admission requirement is a relevant National Diploma or Diploma qualification at NQF level 6 or NQF level 6 equivalent. Students are selected on the basis of academic merit and an approved field(s) of study. An average mark of 60% in the previous degree qualification is required. Although preference will be given to student with Operations Management and Management Services qualifications.

Module name	NQF level of the module	Credits per module	Compulsory / optional
Operations Management 4A	7	16	C
Operations Management Tech 4A	7	16	C
Quality Planning and Implementation	7	12	C
Research Methodology	7	16	C
Operations Management 4B	7	16	C
Operations Management Tech 4B	7	16	C
Financial Planning and Control	7	12	C
Project Management	7	16	C

## ADVANCED DIPLOMA in MANAGEMENT SERVICES (1 year)

### Purpose of the programme

The purpose of the Advanced Diploma in Management Services is to introduce students to applied and cognitive competencies in the acquisition, interpretation, understanding and applications of best practices and work study techniques within organisation. The aim of the programme is to provide problem solving services to medium- or large- sized

organisations and definite management support role to all types of management. The programme Helps companies with structuring their internal environment to search out, evaluate and employ knowledge that improve the efficiency and effectiveness of the organisation.

### Minimum admission requirements

The minimum admission requirement is a relevant National Diploma or Diploma qualification at NQF level 6 or NQF level 6 equivalent. Students are selected on the basis of academic merit and an approved field(s) of study. An average mark of 60% in the previous degree qualification is required. Preferences will be given to students that have completed a Diploma in Management Services and Operations Management.

Module name	NQF level of the module	Credits per module	Compulsory / optional
Organisational effectiveness 4A	7	16	C
Quality Planning and Implementation 4	7	12	C
Research Methodology	7	16	C
Job Analysis	7	16	C
Strategic Management	7	16	C
Project Management	7	16	C
Organisational Effectiveness 4B	7	16	C
Management Economics	7	12	C

### Articulation

Vertical articulation is also possible for students who have successfully completed a relevant Diploma thereby meeting the minimum entry requirements for admission into the Advanced Diploma in the respective field. Students can further their studies by enrolling for the Post Graduate Diploma in the respective field (NQF level 8) on completion of the Advanced Diploma.

### Contact

Faculty Administration

Hashalia Alwar

[halwar@uj.ac.za](mailto:halwar@uj.ac.za)

011 559 4263

Head of Department

Dr Nita Sukdeo

[nsukdeo@uj.ac.za](mailto:nsukdeo@uj.ac.za)  
011559 6977