

PUBLIC UTILITY MANAGEMENT

Associate in Science



Public Utility Management Field

Utilities management includes all of the utilities serving a specific municipality, such as energy, gas, solar, wind, water and wastewater services. Public utilities provide services at the consumer level, be it residential, commercial, or industrial consumer. The nature of public utility operations is rapidly changing as the industries face common challenges such as an aging workforce, aging infrastructure, increasing regulation, and increasing financial burdens.

According to the Water Research Foundation (WRF), a national, non-profit water utility research organization, the water industry will face the following challenges – which align with all other utilities

- 1) The average age of the water utility worker is higher than those working in manufacturing.
- 2) A large percentage of utility workers are within ten (10) years of retirement.
- 3) Increasing plant automation requires that replacement hires be more technically competent.

- 4) The pool of desirable and competent workers is shallow, making it difficult to find replacements.
- 5) Retirement of senior personnel is likely to result in the loss of valuable institutional knowledge.

Public Utility Management @ GCC

The Associate Degree in Public Utility Management at GCC was designed to align directly to career tracks with The Regional Water Authority, Avangrid (formerly UI), The Metropolitan District in Hartford, Iroquois, and Eversource.

Students will be able to plan, organize, and manage recordkeeping critical to virtually all aspects of utility management. In addition, there is a focus on effective oral and written communications, marketing, market research, project management, customer service, financial management of a utility.



Public Utility Management Program

First Semester

<i>Course #</i>	<i>Course Name</i>	<i>Prerequisites</i>	<i>Credits</i>
ACC 113	Principles of Financial Accounting		3
BMG 115/CSA 135	Spreadsheets & Databases	MAT 095	3
ENG 101	Composition		3
ENV 110	Environmental Regulations (fall only)		3
IDS 106	Critical Thinking-Business		3

Second Semester

<i>Course #</i>	<i>Course Name</i>	<i>Prerequisites</i>	<i>Credits</i>
ACC 117	Principles of Managerial Accounting	ACC 113	3
MAT 167	Principles of Statistics	Math 137 or higher, or MAT 137C	3
BMG 202	Principles of Management		3
ECN 101	Macroeconomics	ENG 101 and MAT 085	3
BMG 110	Public Utility Management (spring only)		3

Third Semester

<i>Course #</i>	<i>Course Name</i>	<i>Prerequisites</i>	<i>Credits</i>
BMG 219	Asset & Infrastructure Management (fall only)	C- or better in BMG 110, BMG 202, and IDS 106	3
BMG 216	Rates and Revenues (fall only)	C- or better in BMG 110, BMG 202 and IDS 106	3
EVS 114	(Natural Science) Env. Science and Lab		4
ECN 102	Microeconomics	ENG 101 and MAT 085	3
ENG 102/ENG 200	Lit. and Composition/ Adv. Composition	C or better in ENG 101	3

Fourth Semester

<i>Course #</i>	<i>Course Name</i>	<i>Prerequisites</i>	<i>Credits</i>
BBG 240	Business Ethics	ENG 101	3
BBG 231	Business Law		3
BMG 221	Customer Relations (spring only)	C- or better in BMG 110, IDS 2016	3
BBG 210	Business Communication		3
Elective **			3

** Elective choices are

- BBG 294 Business Internship (requirements are 15 credits of business, ENG 101 and minimum GPA of B (Internship 130 hours) 3 credits
- QUA 114 Principles of Quality Control 3 credits
- BMK 201 Principles of Marketing 3 credits