MANAGEMENT OF TECHNOLOGY (MOT)

MOT 6102. Economic Analysis for Managers. 2 Credit Hours.
Studies the economic concepts that describe and explain the environment within which firms operate.

MOT 6103. Financial and Managerial Accounting. 2 Credit Hours.
Covers the basic concepts that underlie the use of accounting information. Includes balance sheet, income statement, alternative costing systems.

MOT 6104. Financial Management in an Environment of Technological. 2 Credit Hours.
Change. Course focuses on financial concepts and how they are used to maximize the value of the firm and choose among alternative courses of action.

MOT 6105. Analytical Tools for Decision Support. 2 Credit Hours.
This course focuses on statistics and mathematical modeling of use to decision makers in technology environments with significant uncertainty.

MOT 6106. Processes of Technological Innovation. 2 Credit Hours.
This course addresses the processes involved in technological innovation, focusing on models, sources, flows, and the protection of innovation.

MOT 6107. Technology Strategies in Information Systems. 2 Credit Hours.
This course examines information systems and their impact in manufacturing and service operations.

MOT 6109. Managing People in a Technical Environment. 2 Credit Hours.
This course focuses on the management and leadership of people and human resource systems in modern organizations.

MOT 6110. Technology and Transformational Work Processes. 2 Credit Hours.
This course focuses on how work processes within organizations can be designed and managed to optimize output effectiveness.

MOT 6111. Strategy Execution. 2 Credit Hours.
This course introduces methods to adapt, evolve, or create change in the way organizations structure themselves to increase effectiveness in responding to competitive demands.

MOT 6112. Marketing in a Technical Environment. 2 Credit Hours.
This course focuses on the marketing function, its relationship to other functions within the firm, and its strategic significance to high-tech organizations.

MOT 6114. Seminar in the Management of Technology. 2 Credit Hours.
This seminar features senior executives from organizations that develop or use technology discussing current practices, policies, and issues.

MOT 6115. AI & Machine Learning for Business. 2 Credit Hours.
This course examines key emerging technologies, their development patterns, and the associated impact on industries, industrial competitiveness, and society.

MOT 6116. Strategy in Management of Technology. 2 Credit Hours.
This course examines and discusses how technology-based firms develop and implement business, functional, and technology strategies.

MOT 6122. Management of Technology Project III. 2 Credit Hours.
Participants complete their MOT project research, submit a written report, and present their results to their organization.

MOT 6124. Business and Leadership Skills. 3 Credit Hours.
Participant's technological, business, and leadership skills (communications, teamwork, conflict resolution, diversity) are enhanced.

MOT 6125. Creating Technology Ventures. 3 Credit Hours.
This course covers the issues associated with the earliest stages of new technology venture formation.

MOT 6126. International Issues in the Management of Technology. 4 Credit Hours.
Global business issues and strategies are explored through an international study tour.

MOT 6127. Building Technology Ventures. 2 Credit Hours.
The foucs of this course is on learning how to manage rapid growth in a technology venture.

MOT 6128. Venture Financing. 2 Credit Hours.
In this course students learn various methods for raising capital to fund new ventures.

MOT 6129. International Business and Finance. 2 Credit Hours.
The purpose of this course is to develop students' understanding of global business and finance.

MOT 6130. Management of Technology Project I. 3 Credit Hours.
Participant's develop and present a proposal for a technology-based team venture project.

MOT 6131. Management of Technology Project II. 3 Credit Hours.
Participant's execute their MOT venture project, including marketing and financial analyses.

MOT 6132. Management of Technology Project I. 2 Credit Hours.
First in a sequence of three courses where students execute their new venture project. During this segment, they focus on concept definition and team formation.

MOT 6133. Ethical Decision Making. 1 Credit Hour.
This course focuses on understanding and applying ethical decision making practices in business.

MOT 6134. Management of Technology Project II. 2 Credit Hours.
Second in a sequence of three courses where students execute their new venture project. During this segment, they focus on marketing and financial analyses of their new technology venture.