Indiana State University » College of Technology » Dept of Applied Engineering and Technology Management
BS in Technology Management

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BS in Technology Management Curriculum Map
Courses and Activities Mapped to BS in Technology Management Outcome Set

Courses and Learning Activities	A.1	A.2	A.3	B.1	B.2	B.3	C.1	C.2	C.3	D.1	D.2	D.3	E.1	E.2	E.3
ECT 160	I	I	I	I	I	I	I	I	I				I	I	I
MET 103	I	I	I	I	I	I	I	I	I				I	I	I
MET 405	P	P	P	P	P	P	P	P	P	P	P	P	R	R	R
MET 370 or 371	P	P	P	P	P	P	P	P	P						
TMGT 351	R	R	R	R	R	R	R	R	R	P	P	P	P	P	P
TMGT 361	P	P	P	P	P	P	P	P	P	R	R	R			
TMGT 429				P	P	P	R	R	R	R	R	R	R	R	R
TMGT 471	P	P	P			P	P	P	P	R	R	R			
TMGT478/ECT437	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
TMGT 492	P	P	P	P	P	P	P	P	P	P	P	P			
TMGT 491 or 497				R	R	R	R	R	R	R	R	R	R	R	R
SFTY 212	I	I	I	I	I	I	I	I	I				I	I	I
SFTY 318	P	P	P	P	P	P	P	P	P	I	I	I	P		P
PHYS 105	I	I	I	I	I	I	I	I	I						

Column headers:

A. Perform a variety of technical activities — Perform a variety of technical activities the student is likely to manage.
- SLO A.1: Apply fundamental technical principles — Students will demonstrate the ability to apply fundamental technical principles
- SLO A.2: Plan/execute activities — Students will demonstrate ability to plan and execute activities
- SLO A.3: Utilize computers and software in the industry — Students will demonstrate mastery of this technical skill

B. Communicate effectively in the technical environment — The student will be able to communicate effectively in the technical environment.
- SLO B.1: Exhibit good verbal communication skills — Students will demonstrate good verbal communication skills
- SLO B.2: Demonstrate fluency in written communication — Students will provide clear and concise information in writing.
- SLO B.3: Formal presentations using appropriate technology — Students will deliver formal presentations using appropriate technology.

C. Solve problems individually and as a member of a team — The student will demonstrate the ability to solve problems individually and as a member of a team.
- SLO C.1: Use accepted methods to solve problems — Students will demonstrate accepted methods to solve problems.
- SLO C.2: Use management principles to solve problems — Students will demonstrate management principles to solve problems.
- SLO C.3: Interact with team members to communicate — Interact with team members to communicate and solve problems Students will work in teams to prepare formal presentation.

D. Make management related decisions — The student will demonstrate the ability to make management related decisions.
- SLO D.1: Planning — Students will demonstrate management planning skills.
- SLO D.2: Organizing — Students will demonstrate management organization skills.
- SLO D.3: Controlling — Students will demonstrate management controlling skills.

E. Demonstrate appropriate professional and ethical behavior — The student will demonstrate appropriate professional and ethical behavior.
- SLO E.1: Exhibit professional behavior in their work environ — Students will demonstrate professional behavior in their work environment
- SL0 E.2: Display ethical behavior in their work environment — Students will demonstrate ethical behavior in their work environment
- SLO E.3: Model socially responsible behavior — Model socially responsible behavior in their work environment

Legend: I — Introduced P — Practiced R — Reinforced

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Courses and Activities Mapped to OLD - BS in Technology Management Outcome Set

	Program Objectives #1: Student competency				
	Students will demonstrate their competencies through: mastery of the knowledge and tools of the technology management profession, application of technical knowledge in conducting experiments to solve problems, use of creativity in designs and applications for experiments to resolve problems, function in teams to solve problems and by presenting research findings in oral and written form.				
	Outcome 1.1: Demonstrate mastery of knowledge and tools The student will demonstrate mastery of the knowledge and tools of the technology management profession.	**Outcome 1.2: Apply technical knowledge** The student will be able to apply technical knowledge in conducting experiments to solve problems.	**Outcome 1.3: Creativity in designs and applications** The student will use creativity in designs and applications for experiments to resolve problems.	**Outcome 1.4: Function in teams** The student will function in teams to solve problems.	**Outcome 1.5: Present research findings** The student will present research findings in oral and written form.
Courses and Learning Activities					
TMGT 131 Introduction to Manufacturing Technology	I			I	I
MET 103 Introduction to Technical Graphics with CAD	P	I	I		
ECT 160 Electronic Fundamentals	I	I			
TMGT 351 Professional Internship	R	R	R	R	R
MFG 370 Fundamentals of Manufacturing Processes	P	P	P		P
TMGT 471 Production Planning and Control I	P	R	R	R	R
TMGT 473 Quality Control of Industrial Products I	R	R	P		R
TMGT 478 Industrial Organization and Functions	R	R	R	R	R

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	Outcome 1.1: Demonstrate mastery of knowledge and tools The student will demonstrate mastery of the knowledge and tools of the technology management profession.	**Outcome 1.2: Apply technical knowledge** The student will be able to apply technical knowledge in conducting experiments to solve problems.	**Outcome 1.3: Creativity in designs and applications** The student will use creativity in designs and applications for experiments to resolve problems.	**Outcome 1.4: Function in teams** The student will function in teams to solve problems.	**Outcome 1.5: Present research findings** The student will present research findings in oral and written form.
TMGT 492 Industrial Supervision		R	R	P	R
TMGT 497 Problem Solving Techniques: A Team Approach		R		R	R
HLTH 318 Industrial Accident Prevention I				I	

Legend: I   Introduced   P   Practiced   R   Reinforced

Last Modified: 04/06/2012 06:58:08 AM CDT