

**Engineering**  
**Maintenance Management**

**Study Program : Master**  
**Study Plan Type : Thesis**  
**Academic Year : 2005**

**The requirements to obtain a Master degree is :-**

**\* The minimum requirements to get a Master degree in / Maintenance Management / is to pass 33 credit hours, according to this study plan.**

**\* The credit hours are distributed to get a Master degree as follows :-**

| Number of credit hours     |        |
|----------------------------|--------|
| Specialization Requirments | 24.000 |
| Compulsory                 | 18.000 |
| Elective                   | 6.000  |
| Thesis                     | 9.000  |
| Compulsory                 | 9.000  |
| Elective                   | 0.000  |
| Total :                    | 33.000 |

**Specialization Requirments Credit Hours : 24**  
**Requirement type : Compulsory Credit Hours :18**

| Course Number | Course Name                                | Credit Hours | Theoretical | Practical | Pre - Requisite    | Cours e Type    |
|---------------|--------------------------------------------|--------------|-------------|-----------|--------------------|-----------------|
| 0000403711    | Safety and Environment                     | 3.000        | 3.000       | 0.000     |                    | online learning |
| 0000403731    | Economy and Costing in Maintenance         | 3.000        | 3.000       | 0.000     |                    | in class        |
| 0000403732    | Introduction to Maintenance mangement      | 3.000        | 3.000       | 0.000     |                    | in class        |
| 0000403741    | Reliability and Availability Assessment    | 3.000        | 3.000       | 0.000     | 403732 synchronous | in class        |
| 0000403742    | Advanced Applications in Simulathon        | 3.000        | 3.000       | 0.000     | 403732 synchronous | in class        |
| 0000403761    | Mechanical/Electrical Condition Monitoring | 3.000        | 3.000       | 0.000     | 403732 synchronous | in class        |

Specialization Requirments Credit Hours : 24  
Requirement type : Elective Credit Hours :6

| Course Number | Course Name                                   | Credit Hours | Theoretical | Practical | Pre - Requisite | Cours e Type     |
|---------------|-----------------------------------------------|--------------|-------------|-----------|-----------------|------------------|
| 0000403733    | Project Design and Analysis                   | 3.000        | 3.000       | 0.000     |                 | in class         |
| 0000403743    | Statistical Design of Experiments             | 3.000        | 3.000       | 0.000     |                 | in class         |
| 0000403751    | Non -destructive testing                      | 3.000        | 3.000       | 0.000     |                 |                  |
| 0000403762    | Computer Systems in Mangement and Maintenance | 3.000        | 3.000       | 0.000     |                 | in class         |
| 0000403763    | Control of Machine Vibrations                 | 3.000        | 3.000       | 0.000     | 403761          |                  |
| 0000403795    | Special Topics in Management                  | 3.000        | 3.000       | 0.000     |                 | blended learning |

**Thesis Credit Hours : 9**  
**Requirement type : Compulsory Credit Hours :9**

| Course Number | Course Name | Credit Hours | Theoretical | Practical | Pre - Requisite | Cours<br>e Type |
|---------------|-------------|--------------|-------------|-----------|-----------------|-----------------|
| 0000403799    | Thesis      | 9.000        | 0.000       | 0.000     |                 | in class        |

Thesis Credit Hours : 9  
Requirement type : Elective Credit Hours :0

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| Course Number | Course Name | Credit Hours | Theoretical | Practical | Pre - Requisite | Cours<br>e Type |
|---------------|-------------|--------------|-------------|-----------|-----------------|-----------------|
| 0003403799    | Thesis      | 3.000        | 0.000       | 0.000     |                 | in class        |
| 0006403799    | Thesis      | 6.000        | 0.000       | 0.000     |                 | in class        |
| 0009403799    | Thesis      | 0.000        | 0.000       | 0.000     |                 | in class        |