

Major Field Assessment
Bachelors of Science in Industrial Technology

All academic programs (majors) are required by the University to review/update their MFA Plans every three years and submit a report every two years. The Industrial Technology degree program major field assessment is comprised of 3 parts as detailed below:

Goal 1: To provide students knowledge and skills in the field of Industrials Technology

Expected Outcomes:

Students completing the Baccalaureate degree in IT will have skills and Knowledge in implementing, controlling and/or solving technical manufacturing system problems which will enable them to advance in industry.

IT courses at the 300, 400 level that have assessment components measuring skills and knowledge in implementing, controlling and/or solving technical manufacturing system problems will be used to indicate that the students are proficient (min score of 75%) in these areas.

Goal 2: To prepare students to communicate with others in manufacturing industries

Expected outcomes:

Students completing the Baccalaureate Degree in IT will communicate effectively, in technical writing, orally and graphically.

IT courses that have assessment components measuring effective written, oral and graphic communications will be used to indicate that the students are proficient (min score of 75%) in these areas.

Goal 3: To prepare students to work effectively in groups

Expected Outcomes:

Students completing the Baccalaureate Degree in IT will work effectively in groups.

IT courses at the 300, 400 level that have assessment components measuring effective teamwork will be used to indicate that the students are proficient (min score of 75%) in these areas.

The results of the MFA plan for Fall 06, Spring 07, Fall 07, Spring 08, Fall 08 Spring 09, Fall 09, and Spring 2010 are presented below In Table 16.1. The following table indicates the percentage of students who received a final grade of 75% or better. A grade of 75% or better indicates the student has adequate mastery of the desired skill or knowledge.

Major field Assessment Spring 2008													
Grade Distributions reflect the % of students with a min score of 75% measuring skills & knowledge in	IT 111	IT 308	IT 311	IT 322	IT 331	IT 351	IT 391	IT 402	IT 405	IT 406	IT 407	IT 442	IT 444
Goal 1: Skills and Knowledge in implementing, controlling and/or solving technical manufacturing system problems which will enable them to advance in industry.	% 87	% 88	% 100	% 95	% 100	% 95	% 100	% 100	% 92	% 80	% 75	% 100	% 100
Goal 2: Communicate effectively, in technical writing, orally and graphically.	% 87	% 92	% 100	% 95	% 100	% 95	% 100	% 100	% 92	% 85	% NA	% NA	% 100
Goal 3: Working effectively in groups	NA	% 95	% 100	% 95	% 100	% 95	% 100	% 100	% NA	% 90	% NA	% 100	% 100

Major field Assessment Fall 2008													
Grade Distributions reflect the % of students with a min score of 75% measuring skills & knowledge in	IT 111	IT 308	IT 311	IT 322	IT 331	IT 351	IT 391	IT 402	IT 405	IT 406	IT 407	IT 442	IT 444
Goal 1: Skills and Knowledge in implementing, controlling and/or solving technical manufacturing system problems which will enable them to advance in industry.	% 89	% 85	% NA	% 60	% 100	% 100	% 100	% 100	% 88	% 85	% 75 100	% 100	% 100
Goal 2: Communicate effectively, in technical writing, orally and graphically.	% 92	% 90	% NA	% 40	% 100	% 100	% 100	% 100	% 88	% 85	% 80 100	% NA	% 100
Goal 3: Working effectively in groups	NA	% 95	% NA	% NA	% NA	% 100	% 100	% 100	% NA	% 95	% 95 100	% 100	% 100

Major field Assessment Spring 2009													
Grade Distributions reflect the % of students with a min score of 75% measuring skills & knowledge in	IT 111	IT 308	IT 311	IT 322	IT 331	IT 351	IT 391	IT 402	IT 405	IT 406	IT 407	IT 442	IT 444
Goal 1: Skills and Knowledge in implementing, controlling and/or solving technical manufacturing system problems which will enable them to advance in industry.	% 90	% 83	% 100	% 75	% 100	% 93	% 100	% 100	% 91	% 80	% 75 100	% 100	% 100
Goal 2: Communicate effectively, in technical writing, orally and graphically.	% 95	% 90	% 100	% 50	% 100	% 93	% 100	% 100	% 91	% 85	% 80 100	% NA	% 100
Goal 3: Working effectively in groups	NA	% 95	% 100	NA	% 100	% 93	% 100	% 100	% NA	% 90	% 90 100	% 100	% 100

Major field Assessment Fall 2009													
Grade Distributions reflect the % of students with a min score of 75% measuring skills & knowledge in	IT 111	IT 308	DDT 411	IT 322	IT 331	IT 351	IT 391	IT 402	IT 405	IT 406	IT 407	IT 442	IT 444
Goal 1: Skills and Knowledge in implementing, controlling and/or solving technical manufacturing system problems which will enable them to advance in industry.	% 92	% 95	% NA	% 75	% 100	% 93	% 100 100	% NA	% 92	% 100	% 100	% 100	% 100
Goal 2: Communicate effectively, in technical writing, orally and graphically.	% 91	% 90	% NA	% 75	% 100	% 93	% 100 100	% NA	% 92	% 100	% 100	% NA	% 100
Goal 3: Working effectively in groups	NA	95	% NA	% 75	% 100	% 93	% 100 NA	% NA	% 92	% 100	% 100	% 100	% 100

Major field Assessment Spring 2010													
Grade Distributions reflect the % of students with a min score of 75% measuring skills & knowledge in	IT 111	IT 308	DDT 411	IT 322	IT 331	IT 351	IT 391	IT 402	IT 405	IT 406	IT 407	IT 442	IT 444
Goal 1: Skills and Knowledge in implementing, controlling and/or solving technical manufacturing system problems which will enable them to advance in industry.	% 92	% 100	% 94	% 80	% 100	% 97	% 90 100	% 100	% 85	% 95	% 100	% 100	% 100
Goal 2: Communicate effectively, in technical writing, orally and graphically.	% 91	% 100	% 94	% 80	% 100	% 97	% 90 100	% 100	% 85	% 95	% 100	% NA	% 100
Goal 3: Working effectively in groups	NA	% 100	% 94	% 80	% 100	% 97	% NA 100	% 100	% 92	% 95	% 100	% 100	% 100