

2019 AOL Report

Techno-MBA Program

The Techno-MBA Program (TMBA) prepares students to be competitive professionals in a global environment by helping them to build distinctive capabilities and leadership skills. Students undergo a carefully structured program to improve their knowledge of organizations, management, strategic thinking, business ethics, and marketing skills. The program is ideal for those pursuing a career as a global business leader.

Overall Review

The Techno-MBA (TMBA) program has a vision which is ‘Creator of technology-based business leaders.’ According to this vision, the TMBA program educates managers in both managerial principles and technological issues so that they can better deal with the future management environment. Based on this vision, we established five learning goals for this program; communication, leadership and teamwork, global perspective, ethically and socially conscious reasoning, and strategic and analytical thinking. To assess the accomplishment of each learning goal, we utilize course-embedded assignment evaluation by faculty.

All assessment methods suggest that TMBA program significantly meets the expectation in terms of Assurance of Learning (AOL). Overall, the students of the TMBA program fairly meet expectations. L1, L2, L3, L4, and L5 have the average scores of 2.88, 2.51, 2.96, 2.92, and 2.87 respectively. All the average scores of each learning objectives exceeded 2 (i.e., ‘Meets Expectation’). The lowest scored trait is L21, but it exceeded 2, so we can conclude that TMBA program is fully qualified to be an AACSB member.

- Total number of courses: 52 (Spring: 22, Summer: 4, Fall: 24, Winter: 2)
- Total number of graduates: 38
- Total number of enrollments: 69 (1st: 30 2nd: 39)
- Sample: more than 6 (Necessary sample: 15% of graduates = 5.7)
- Assessment courses

Learning Goal 1	L11	MGT627 Entrepreneurship and the Entrepreneur
	L12	MGT627 Entrepreneurship and the Entrepreneur
Learning Goal 2	L21	MGT561 Corporate Financial Policy
	L22	MGT561 Corporate Financial Policy
Learning Goal 3	L31	MGT627 Entrepreneurship and the Entrepreneur
	L32	MGT627 Entrepreneurship and the Entrepreneur
Learning Goal 4	L41	MGT511 Strategic Management
	L42	MGT511 Strategic Management
Learning Goal 5	L51	MGT511 Strategic Management
	L52	MGT511 Strategic Management
	L53	MGT511 Strategic Management

Overview of Assessment

Techno-MBA Program (TMBA): Assessment Learning Goal 1		
Learning Goal 1) Communication: our graduates will be effective communicators		
Learning Objective	Sample	Methods
L11) Our student will produce professional business documents	Students enrolled in MGT627 (N=29)*	Course-embedded assignment evaluation by faculty
L12) Our students will deliver effective presentation accompanied with proper media technology	Students enrolled in MGT627 (N=29)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L11 and L12 are 2.84 and 2.93 * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - The average score exceeded level 2 performance (Meet Expectations) using the course embedded survey, L11 and L12 in the MGT627 course. - Most students in MGT627 produced professional business documents (79.3% for L11) and delivered effective presentations accompanied with proper media technology (58.6% for L12) above expectations for all of the traits of each learning objectives. - No student failed to meet expectation (level 1 performance) in any of traits of both L11 and L12. Therefore, it can be concluded that they are effective communicators. 		

Techno-MBA Program (TMBA): Assessment Learning Goal 2		
Learning Goal 2) Leadership and teamwork: Our graduates will use team building and high-performance management behaviors to lead a team task successfully		
Learning Objective	Sample	Methods
L21) Our students will have high-performance leadership skill	Students enrolled in MGT561 (N=10)*	Course-embedded assignment evaluation by faculty
L22) Our students will know how to build a team successfully	Students enrolled in MGT561 (N=10)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L21 and L22 are 2.50 and 2.53. * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - The average score exceeded level 2 performance (Meet Expectations) using the course embedded survey, L21 and L22 in the MGT561 course. - 40% of students in MGT561 show that they have high level of leadership skill (L21) and also 40% of students understand how to build a team successfully (L22) above expectations for all of the traits of each learning objectives. - In conclusion, 40% of students exceeded expectations on using team building and high performance management behaviors to lead a team task successfully well, but the performance of learning goal 2 was lower than the any other learning goals. 		

Techno-MBA Program (TMBA): Assessment Learning Goal 3		
Learning Goal 3) Global Perspective: Our graduates will have a global perspective		
Learning Objective	Sample	Methods
L31) Our student will define global business issues and relate these to emerging business opportunities	Students enrolled in MGT627 (N=29)*	Course-embedded assignment evaluation by faculty
L32) Our students will have command of business English or other language of major global market	Students enrolled in MGT627 (N=29)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L31 and L32 are 2.92 and 2.99 * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - The average score exceeded level 2 performance (Meet Expectations) using the course embedded assignment evaluation and presentation evaluation by faculty, for L31 and L32 in the MGT627 courses. - Most TMBA students in MGT627 were able to define global business issues and relate these to emerging business opportunities by showing a good command of business English or other language of major global market. Nearly more than 80% the students taking MGT627 scored “3” for all of the traits (Exceeds Expectation; 79.3% for L31 and 96.9% for L32). - The level of students’ performance and understanding on having a global perspective was significantly higher than the other learning goals. 		

Techno-MBA Program (TMBA): Assessment Learning Goal 4		
Learning Goal 4) Ethically & Socially Conscious Reasoning: Our graduates will understand the gravity of ethical behavior and corporate social responsibility		
Learning Objective	Sample	Methods
L41) Our student will identify ethical and social dilemma and be able to recognize and evaluate alternative courses of action	Students enrolled in MGT511 (N=25)*	Course-embedded assignment evaluation by faculty
L42) Our students will know the professional code of conduct within their discipline	Students enrolled in MGT511 (N=25)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L41 and L42 are 2.88 and 2.96 * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - The average score exceeded level 2 performance (Meet Expectations) using the course embedded assignment evaluation by faculty, for L41 and L42 in MGT511 course. - Most TMBA students in MGT511 identify ethical and social dilemmas (88%) and are able to recognize and evaluate alternative courses of action. Also, most students in MGT511 know the professional code of conduct within their discipline (96%) above expectations for all of the traits of each learning objectives. - More students had difficulties to identify ethical and social dilemma and find alternative ways of solving them (L41) than to know the professional code of conduct (L42). - In conclusion, most TMBA students understand the gravity of ethical behavior and corporate social responsibility. 		

Techno-MBA Program (TMBA): Assessment Learning Goal 5		
Learning Goal 5) Strategic and Analytical Thinking: Our graduates will be able to strategically and cross disciplinarily analyze business cases and to use appropriate analytical tools in solving business problems.		
Learning Objective	Sample	Methods
L51) Our student will be able to strategically analyze business cases and will demonstrate the ability of sound business judgment	Students enrolled in MGT511 (N=25)*	Course-embedded assignment evaluation by faculty
L52) Our students will synthesize different discipline areas.	Students enrolled in MGT511 (N=25)*	Course-embedded assignment evaluation by faculty
L53) Our student will use appropriate analytical technique to analyze data and solve business problems.	Students enrolled in MGT511 (N=25)*	Course-embedded assignment evaluation by faculty
Findings		
<ul style="list-style-type: none"> - The average scores for L51, L52, and L53 are 2.90, 2.92, and 2.80 * 1 (Fails to Meet Expectations) 2 (Meets Expectations) 3 (Exceed Expectations) - The average score exceeded level 2 performance (Meet Expectations) using the course embedded assignment evaluation by faculty, for L51, L52, and L53 in MGT511 course. - Most TMBA students in MGT511 are able to strategically (88% for L51) and cross-disciplinarily (92% for L52) analyze complex business cases and use appropriate analytical tools in solving business problems (72% for L53) above expectations for all of the traits. - No student failed to meet expectations for any of the traits in both the L51 and L52. 		

Data Analysis and Results

Assessment Learning Goal 1(L1): MGT627								
Learning Goal	L1: Communication: our graduates will be effective communicators							
	L11: Our student will produce professional business documents							
Traits	T1. Clear introduction and background	T2. Discipline-related concepts and issues	T3. Internally consistent arguments	T4. Logic and organization	T5. Consistent conclusions	T6. Style and grammar	T7. Effective literature search skills	T8. Documents sources
Students								
1	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3	3
11	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3	3
15	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3	3
23	3	3	3	3	3	3	3	3
24	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	3
26	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2
28	3	2	3	2	3	3	3	3
29	2	3	2	3	3	2	2	2
# of 3 point	24	24	24	24	25	24	24	25
# of 2 point	5	5	5	5	4	5	5	4
# of 1 point	0	0	0	0	0	0	0	0
Total Score	82	82	82	82	83	82	82	83
Average	2.828	2.828	2.828	2.828	2.862	2.828	2.828	2.862
Total Average	2.836							

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 1(L1): MGT627							
Learning Goal	L1: Communication: our graduates will be effective communicators						
	L12: Our students will deliver effective presentation 1 accompanied with proper media technology						
Traits	T1. Organization	T2. Quality of slides	T3. Voice quality and pace	T4. Mannerisms	T5. Professionalism	T6. Use of media/rapport with audience	T7. Ability to answer questions
Students							
1	3	3	2	3	3	3	2
2	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3
8	3	3	3	2	3	3	2
9	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3
11	3	3	2	3	3	3	3
12	3	3	2	3	3	3	3
13	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3
15	2	3	3	3	3	3	3
16	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3
18	3	2	3	3	3	3	3
19	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3
23	3	3	3	3	2	3	3
24	3	3	3	3	2	3	3
25	3	3	3	3	2	2	3
26	3	3	3	3	3	2	3
27	3	3	3	3	3	2	3
28	3	3	3	3	3	2	3
29	3	3	3	3	3	3	3
# of 3 point	28	28	26	28	26	25	27
# of 2 point	1	1	3	1	3	4	2
# of 1 point	0	0	0	0	0	0	0
Total Score	86	86	84	86	84	83	85
Average	2.966	2.966	2.897	2.966	2.897	2.862	2.931
Total Average	2.926						

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 2 (L2): MGT561									
Learning Goal	L2: Leadership and teamwork: Our graduates will use team building and high-performance management behaviors to lead a team task successfully.								
	L21: Our students will have high-performance leadership skill					L22: Our students will know how to build a team successfully			
Traits	T1. Confidence	T2. Balance between task and interpersonal relations	T3. Ability to listen	T4. Stays on track	T5. Agenda	T1. Commitment	T2. Balance between task and interpersonal relations	T3. Contributions	T4. Stays on track
Students									
1	1	1	2	2	2	1	2	2	1
2	3	3	3	3	3	3	3	3	3
3	3	2	3	3	2	2	3	2	3
4	3	3	3	3	3	3	3	3	3
5	2	2	3	2	2	3	2	2	2
6	3	3	3	3	2	3	3	2	3
7	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	2	3	2
9	2	2	2	1	2	1	3	3	1
10	3	3	3	3	3	3	3	3	3
# of 3 point	6	5	7	6	4	6	7	6	6
# of 2 point	3	4	3	3	6	2	3	4	2
# of 1 point	1	1	0	1	0	2	0	0	2
Total Score	25	24	27	25	24	24	27	26	24
Average	2.500	2.400	2.700	2.500	2.400	2.400	2.700	2.600	2.400
Total Average	2.500					2.525			

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 3(L3): MGT627							
Learning Goal	L3. Global Perspective: Our graduates will have a global perspective.						
	L31: Our student will define global business issues and relate these to emerging business opportunities				L32: Our students will have command of business English or other language of major global market		
Traits	T1. Identification of global issues	T2. Analysis of global issues	T3. Application of analysis to global business situation	T4. Cultural differences	T1. Knowledge	T2. Comprehension	T3. Communication
Students							
1	3	3	3	3	3	3	2
2	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3
5	2	2	3	3	3	3	3
6	2	2	3	3	3	3	3
7	3	2	3	3	3	3	3
8	3	2	2	3	3	3	3
9	3	3	2	3	3	3	3
10	3	3	3	3	3	3	3
11	3	3	3	2	3	3	3
12	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3
15	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3
23	3	3	3	3	3	3	3
24	3	3	3	3	3	3	3
25	3	3	3	3	3	3	3
26	3	3	3	3	3	3	3
27	3	3	3	3	3	3	3
28	3	3	3	3	3	3	3
29	3	3	3	3	3	3	3
# of 3 point	27	25	27	28	29	29	28
# of 2 point	2	4	2	1	0	0	1
# of 1 point	0	0	0	0	0	0	0
Total Score	85	83	85	86	87	87	86
Average	2.931	2.862	2.931	2.966	3.000	3.000	2.966
Total Average	2.922				2.989		

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 4(L4): MGT511								
Learning Goal	L4: Ethically & Socially Conscious Reasoning: Our graduates will understand the gravity of ethical behavior and corporate social responsibility							
	L41: Our student will identify ethical and social dilemma and be able to recognize and evaluate alternative courses of action.					L42: Our students will know the professional code of conduct within their discipline		
Traits	T1. Identifies Dilemma	T2. Stakeholders Consideration	T3. Options development	T4. Options Evaluation	T5. Decision and Action	T1. Importance	T2. Understanding	T3. Compliance
Students								
1	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3	3
11	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3	3
15	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3	3
23	2	2	2	2	2	3	3	3
24	2	2	2	2	2	3	3	3
25	2	2	2	2	2	2	2	2
# of 3 point	22	22	22	22	22	24	24	24
# of 2 point	3	3	3	3	3	1	1	1
# of 1 point	0	0	0	0	0	0	0	0
Total Score	72	72	72	72	72	74	74	74
Average	2.880	2.880	2.880	2.880	2.880	2.960	2.960	2.960
Total Average	2.880					2.960		

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 5(L5): MGT511							
Learning Goal	L5: Strategic and Analytical Thinking: Our graduates will be able to strategically and cross disciplinarily analyze business cases and to use appropriate analytical tools in solving business problems.						
	L51: Our student will be able to strategically analyze business cases and will demonstrate the ability of sound business judgment.						
Traits Students	T1. Factual knowledge	T2. Application of strategic analysis tools	T3. Application of financial analysis	T4. Identification of case problems/issues	T5. Generation of alternatives	T6. Recommendations	T7. Business judgment
1	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3
11	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3
15	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3
21	3	3	3	3	3	3	3
22	3	3	3	3	3	3	3
23	3	3	3	2	2	2	2
24	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2
# of 3 point	23	23	23	22	22	22	22
# of 2 point	2	2	2	3	3	3	3
# of 1 point	0	0	0	0	0	0	0
Total Score	73	73	73	72	72	72	72
Average	2.920	2.920	2.920	2.880	2.880	2.880	2.880
Total Average	2.897						

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 5(L5): MGT511						
Learning Goal	L5: Strategic and Analytical Thinking: Our graduates will be able to strategically and cross disciplinarily analyze business cases and to use appropriate analytical tools in solving business problems.					
	L52: Our students will synthesize different discipline areas.					
Traits	T1. Consideration	T2. Management principle	T3. Discipline knowledge	T4. Intellectual sensitivity	T5. Horizontal synthesis	T6. Vertical synthesis
Students						
1	3	3	3	3	3	3
2	3	3	3	3	3	3
3	3	3	3	3	3	3
4	3	3	3	3	3	3
5	3	3	3	3	3	3
6	3	3	3	3	3	3
7	3	3	3	3	3	3
8	3	3	3	3	3	3
9	3	3	3	3	3	3
10	3	3	3	3	3	3
11	3	3	3	3	3	3
12	3	3	3	3	3	3
13	3	3	3	3	3	3
14	3	3	3	3	3	3
15	3	3	3	3	3	3
16	3	3	3	3	3	3
17	3	3	3	3	3	3
18	3	3	3	3	3	3
19	3	3	3	3	3	3
20	3	3	3	3	3	3
21	3	3	3	3	3	3
22	3	3	3	3	3	3
23	3	3	3	3	3	3
24	2	2	2	2	2	2
25	2	2	2	2	2	2
# of 3 point	23	23	23	23	23	23
# of 2 point	2	2	2	2	2	2
# of 1 point	0	0	0	0	0	0
Total Score	73	73	73	73	73	73
Average	2.920	2.920	2.920	2.920	2.920	2.920
Total Average	2.920					

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)

Assessment Learning Goal 5(L5): MGT511								
Learning Goal	L5: Strategic and Analytical Thinking: Our graduates will be able to strategically and cross disciplinarily analyze business cases and to use appropriate analytical tools in solving business problems.							
	L53: Our student will use appropriate analytical technique to analyze data and solve business problems							
Traits	T1. Problem/objective finding	T2. Identification of alternative options	T3. Appropriate supporting data/evidence	T4. Quantitative evaluation	T5. Qualitative evaluation	T6. Advanced analytical techniques	T7. Logical Analysis	T8. New ideas and analysis methods
Students								
1	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3
10	3	3	3	3	3	3	3	3
11	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3	3
15	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3
18	3	3	3	3	3	3	3	3
19	3	3	3	3	3	2	2	2
20	3	3	3	3	3	2	2	2
21	3	3	3	3	3	2	2	2
22	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2
# of 3 point	21	21	21	21	21	18	18	18
# of 2 point	4	4	4	4	4	7	7	7
# of 1 point	0	0	0	0	0	0	0	0
Total Score	71	71	71	71	71	68	68	68
Average	2.840	2.840	2.840	2.840	2.840	2.720	2.720	2.720
Total Average	2.795							

Criteria: 1 (Fails to Meet Expectations), 2 (Meet Expectations), 3 (Exceeds Expectations)