

COMMISSION ON HIGHER EDUCATION
REGION 1

HEI : MARIANO MARCOS STATE UNIVERSITY	Date of Monitoring:
ADDRESS: City of Batac 2906 Ilocos Norte, Philippines	22-24 March 2010

AREA/ASPECT	ACTUAL SITUATION
<p>I. FACILITIES</p> <p>1. School Site: Reasonable distance from distractive establishments not conducive to learning such as:</p> <ul style="list-style-type: none"> • Congested commercial area • Market place • Fast food center • Recreation centers • Gambling establishments • Movie houses • Video bar/beer houses • Others 	<p>Location: Ilocos Norte, a province in the northwestern part of Luzon Island</p> <p>Campuses: Main campus, Batac; Campus 2 & 3 Laoag City; Campus 4, Paoay; Campus 5, Currimao; and Campus 6, Dingras</p> <p>The main campus is within a contiguous area of 263.45 hectares, located about 1.5 km away from the heart of the City of Batac, Ilocos Norte, 470 km away from Manila. Batac is an agricultural and peaceful town, which affords an excellent environment for educational and rural development. It houses five DA agencies: PhilRice-Batac, National Tobacco Administration, Philippine Carabao Center at MMSU, DA-Substation I, and Agricultural Training Institute. These agencies have strong manpower and are equipped with research and training facilities. Their presence and the university's linkage with them, further enhance the latter's instruction and research capabilities. Within the vicinity are: Mariano Marcos Memorial Hospital and Medical Center, Central Bank and government offices such as Regional Trial Court, DOST, Bangko Sentral ng Pilipinas, and Land Transportation Office.</p> <p>The location allows convenient commuting from the boundaries of Batac and the towns of Paoay, Currimao, San Nicolas and Laoag City. Passenger jeepneys, mini-buses and busses pass by the campus. In addition, the province has an international airport in Gabu, Laoag City and a seaport at Gaang, Currimao.</p> <p>Campuses 2 and 3 are also located about 1.5 km away from the heart of the Laoag City. Within the vicinity are also government offices/agencies and academic institutions.</p> <p>The location of the three other campuses, Paoay, Currimao and Currimao are also peaceful municipalities which also afford excellent environment for educational activities.</p> <p><i>Appendix A – Map of Ilocos Norte showing the location of the MMSU campuses, transportation facilities and aerial views of the various campuses.</i></p>

AREA/ASPECT	ACTUAL SITUATION														
<p>2. No. of sq. m. occupied by the HEI</p>	<p>The main campus has a total area of 263.45 hectares, more than 40 hectares of which is occupied by buildings, grounds, etc. The other areas are utilized for research and production activities.</p> <p>The other campuses have an aggregate area of 35.12 hectares and mostly occupied by buildings and grounds, except in campus 5 (Dingras) and campus 6 (Currimao) where some of the areas are utilized for research and production activities. Further, the university has forest reserves in two sites: Payao and Lubbot, Batac, Ilocos Norte with 1054 and 35 hectares, respectively.</p> <table border="1" data-bbox="732 772 1247 1014"> <thead> <tr> <th>Site/Campus</th> <th>Area (ha)</th> </tr> </thead> <tbody> <tr> <td>Batac (Main Campus)</td> <td>263.45</td> </tr> <tr> <td>Occupied by buildings</td> <td>40.00</td> </tr> <tr> <td>Other campuses</td> <td>35.12</td> </tr> <tr> <td>Forest Reserves (Batac)</td> <td></td> </tr> <tr> <td>Payao</td> <td>1054.00</td> </tr> <tr> <td>Lubbot</td> <td>35.00</td> </tr> </tbody> </table>	Site/Campus	Area (ha)	Batac (Main Campus)	263.45	Occupied by buildings	40.00	Other campuses	35.12	Forest Reserves (Batac)		Payao	1054.00	Lubbot	35.00
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<p>3. Presence of the following facilities (fully developed/functional)</p> <ul style="list-style-type: none"> Classroom (7m x 8m) 	<p>The university has a total of 28 academic buildings, 15 of which are in the main campus. The buildings house the offices of the college deans and faculty, lecture rooms with capacity ranging from 64 to 720 persons, science laboratories and shops. Most of the rooms measure 6m x 9m. This is within the optimum size based on the recommended density of 1 student per square meter.</p> <p><i>Appendix B – Inventory of rooms per college</i></p>														
<ul style="list-style-type: none"> Library – presence of e-library (internet connection/no. of workstations/on-line subscription) 	<p>A. e-Library – present</p> <p>The university is one of the recipients of the Philippine e-library project and IT equipment (1 server and 5 desktop computers). As a content provider/access point of e-Lib, the university has access for free to an on-line database subscription providing abstract and full text articles of thousands serial titles. EBSCO complete academic package is currently not available. However, the US Embassy through its Public Affairs Section is providing electronic journal services, EBSCOHOST. It is available at the American Studies Resource Center (ASRC) in the main library, Batac campus. Some selected titles of e-journals with full-text are:</p> <ul style="list-style-type: none"> Agricultural Research Choices: The magazines of Food, Farm and Resource Issues 														

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	<ul style="list-style-type: none"> • Animals Today • Horticulture • American's Network • Byte.com • Computer Designs: • Electronic Systems Technology & Design • Computer graphics World • Computer weekly • E-content • E-Media professionals • Online • Atlantic Economic Journal <p>B. Internet Connectivity (ICTC)</p> <table border="1" data-bbox="651 831 1362 1520"> <thead> <tr> <th data-bbox="651 831 826 867">Particular</th> <th data-bbox="826 831 1362 867">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="651 867 826 1035">Internet Connection</td> <td data-bbox="826 867 1362 1035">Connection Type: Dedicated Internet Access (Leased Line) Band width/speed: 1:1 Mbps Service provider: Digitel Telecommunications, Inc.</td> </tr> <tr> <td data-bbox="651 1035 826 1171">Network Connectivity</td> <td data-bbox="826 1035 1362 1171">Connectivity: ITC LAN No. of Connections : 8 Function: Inter Room Connection No. of workstations: 115</td> </tr> <tr> <td data-bbox="651 1171 826 1520">Software</td> <td data-bbox="826 1171 1362 1520">Windows OS Windows Office Windows Office Open Office Windows Server 2003 R2, Standard Edition (includes Service Pack 2) ArcView 3.3 Evaluation Edition ArcGIS (ArcGIS Desktop) 9.3 Evaluation Edition Debian 2.6.24, RedHut 9.0, Fedora 8.0, Ubuntu 8.04 LTS, IPCop, Squid 2.6, DHCP Server 3.0, gnuPanel, WebMin</td> </tr> </tbody> </table> <p>C. Internet Services</p> <p>In addition to ICTC's services, the following IT equipment and internet services are available at the ULS:</p> <ul style="list-style-type: none"> • 15 desktop and laptop computers for internet access • Wi-fi zones – circulation service and Filipiniana section <p><i>Appendix C – University Library System and Information Technology Profile</i></p>	Particular	Description	Internet Connection	Connection Type: Dedicated Internet Access (Leased Line) Band width/speed: 1:1 Mbps Service provider: Digitel Telecommunications, Inc.	Network Connectivity	Connectivity: ITC LAN No. of Connections : 8 Function: Inter Room Connection No. of workstations: 115	Software	Windows OS Windows Office Windows Office Open Office Windows Server 2003 R2, Standard Edition (includes Service Pack 2) ArcView 3.3 Evaluation Edition ArcGIS (ArcGIS Desktop) 9.3 Evaluation Edition Debian 2.6.24, RedHut 9.0, Fedora 8.0, Ubuntu 8.04 LTS, IPCop, Squid 2.6, DHCP Server 3.0, gnuPanel, WebMin
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<ul style="list-style-type: none"> Laboratories 	<p>The college buildings of CAF, CAS, CASAT, COE, and CHS are equipped with science laboratories for instructional purposes. The CIT is also equipped with food and industrial technology laboratories.</p> <p>CAF : Agro-Soils, Animal Science, Crop Protection and Isolation Room, Crop Physiology, Tissue Culture, Forestry, Food Science and Agricultural Engineering</p> <p>CAS : Physics, Zoology, Microbiology, Botany, Earth Science, Chemistry, Analytical Chemistry</p> <p>CASAT : Chemistry, Fish Processing, Capture Fisheries, Marine Bio Algal Room, Aquaculture</p> <p>COE : Soil Mechanics, Ceramic Engineering Lab and Workshop, Mechanical Shop, Hydraulics & Universal Testing Machine, Electrical Engineering, Steam, Electronics, Computer Engineering, Chemical Engineering, Food, Material Science & Engineering, Internet, and SMART</p> <p>CHS : Anatomy, Microbiology, Reproductive Health, Nursing Arts, University Physical Therapy and Rehabilitation Center (Gym exercise, electrotherapy and hydrotherapy)</p> <p>In addition to the science laboratories in the various college buildings are scientific laboratories which are generally utilized for R&D undertaking including undergraduate thesis. These include:</p> <ul style="list-style-type: none"> Tissue culture and biotechnology laboratory Agrometeorological station Laboratories in the CRL building: soil, plant and water testing, Plant Pathology, Entomology and Plant Physiology <p><i>Appendix D – MMSU Facilities</i></p>
<ul style="list-style-type: none"> Dean’s Office 	<p>Each college has its own academic building(s). Within the college building are administrative and faculty offices. The administrative offices include the office of the respective college dean and secretariat.</p> <p><i>Appendix D – MMSU Facilities</i></p>
<ul style="list-style-type: none"> Registrar’s Office 	<p>The office of the University Registrar/Director for Admissions is housed at the Ferdinand E Marcos Hall.</p> <p><i>Appendix D – MMSU Facilities</i></p>
<ul style="list-style-type: none"> Faculty Lounge 	<p>In addition to the administrative/faculty offices, each college maintains a faculty lounge equipped with basic facilities such as settee and multi-purpose table. In some colleges, their faculty lounge is furnished with television/radio, refrigerator, food storage cabinets and wash basin. In general, these are maintained through the college faculty association.</p>

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<ul style="list-style-type: none"> Medical/Dental Clinic 	<p>The University Clinic in the main campus is under renovation. It is temporarily housed at the east wing of the Mangasep Hall. It provides the following services:</p> <ol style="list-style-type: none"> Immediate medical care in various activities such as university foundation anniversary celebration, athletic competition, ROTC-RAAPE, and commencement activities among others; Medical examination of freshmen and OJT students, pharmacy and PT interns, and nursing affiliates; Annual medical examination of employees; Health promotion activities such as mass fogging, information awareness, provision of maintenance medicines, and free clinic; and Expert assistance and training. <p>A satellite clinic is operated in Campus 2 (CTE) to provide/attend to the medical and health needs of the constituents of CTE, CIT and GS. Another is operated in Campus 5 for the CASAT constituents.</p> <p>The members of the medical/dental team are:</p> <table border="1" data-bbox="695 1073 1403 1545"> <thead> <tr> <th>Staff</th> <th>Position</th> </tr> </thead> <tbody> <tr> <td>1. Leonisa A. Silvestre, M.D.</td> <td>Chief, Medical-Dental Unit</td> </tr> <tr> <td>2. La Purisima Concepcion A. Baluran, M.D.</td> <td>Medical Officer (Laoag)</td> </tr> <tr> <td>3. Arnel R. Cacao, R.N.</td> <td>Dental Aide-Nurse (Batac)</td> </tr> <tr> <td>4. Ronald A. Garalde, D.M.</td> <td>Medical Dentist II (Laoag)</td> </tr> <tr> <td>5. Rosemarie P. Ganiron, R.N.</td> <td>Health Nurse I (Batac)</td> </tr> <tr> <td>6. Jewelyn B. Lazaro</td> <td>Dental Aide</td> </tr> <tr> <td>7. Wilma A. Nery, R.N.</td> <td>Health Nurse I (CASAT)</td> </tr> <tr> <td>8. Ched Randy D. Orense, R.N.</td> <td>Health Nurse</td> </tr> <tr> <td>9. Lorgin D. Rebucal, D.M.</td> <td>Medical Dentist III (Batac)</td> </tr> <tr> <td>10. Estrelita L. Rubio, R.N.</td> <td>Health Nurse II (Laoag)</td> </tr> <tr> <td>11. Rosita C. Taylan, R.N.</td> <td>Health Nurse I (Dingras)</td> </tr> <tr> <td>12. Norma B. Trinidad, R.N.</td> <td>Health Nurse I (Laoag)</td> </tr> </tbody> </table> <p><i>Appendix D – MMSU Facilities</i></p>	Staff	Position	1. Leonisa A. Silvestre, M.D.	Chief, Medical-Dental Unit	2. La Purisima Concepcion A. Baluran, M.D.	Medical Officer (Laoag)	3. Arnel R. Cacao, R.N.	Dental Aide-Nurse (Batac)	4. Ronald A. Garalde, D.M.	Medical Dentist II (Laoag)	5. Rosemarie P. Ganiron, R.N.	Health Nurse I (Batac)	6. Jewelyn B. Lazaro	Dental Aide	7. Wilma A. Nery, R.N.	Health Nurse I (CASAT)	8. Ched Randy D. Orense, R.N.	Health Nurse	9. Lorgin D. Rebucal, D.M.	Medical Dentist III (Batac)	10. Estrelita L. Rubio, R.N.	Health Nurse II (Laoag)	11. Rosita C. Taylan, R.N.	Health Nurse I (Dingras)	12. Norma B. Trinidad, R.N.	Health Nurse I (Laoag)
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<ul style="list-style-type: none"> Guidance Office 	<p>The Guidance Program of the university is implemented through the leadership of the university Guidance Counselor who is directly supervised by the Director of Student Services. The program provides the following services:</p>																										

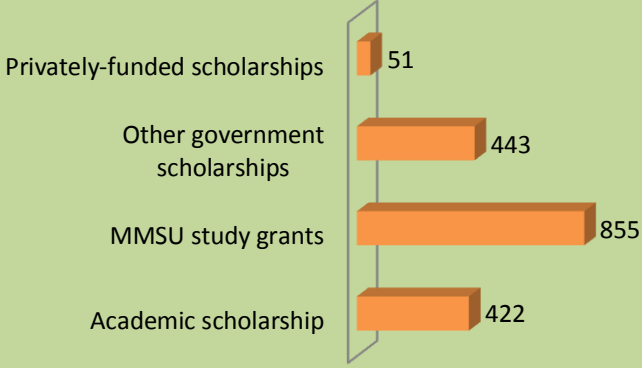
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	<p>a. Orientation b. Individual inventory c. Counseling d. Job placement and career orientation e. Information and consultation f. Follow-up</p> <p>Each college has its own Guidance Office which is manned by a Guidance Counselor (GC). Two GCs occupy plantilla positions; the rest are faculty members given special order to act as such with corresponding reduction in teaching load.</p> <p>In addition, the university has a Psychological Testing Center (UPTC) which is manned by a psychometrician. The university purchased intelligence/cognitive aptitude, and personality test instruments from the Philippine Psychological Corporation. The UPTC, located at the first floor of the Continuing Education Center was inaugurated on June 8, 2009. IQ assessment of freshman students from CAS, COE, CBEA and CASAT Otis –Lennon School Ability Test Otis –Lennon School Ability Test was the center’s major activity after its inauguration. It also administered GS admission examination.</p> <p>Following are the staff of the Guidance Program:</p> <table border="1" data-bbox="695 1140 1403 1696"> <thead> <tr> <th>Guidance Counselor</th> <th>College/Unit</th> </tr> </thead> <tbody> <tr> <td>1. Nona A. Adaza</td> <td>Chief, Guidance Program & GC, CBEA</td> </tr> <tr> <td>2. Elizabeth Marfel F. Gani</td> <td>Chief, University Psychological Testing Center & GC, COE</td> </tr> <tr> <td>3. Irene D. Flores</td> <td>CAF</td> </tr> <tr> <td>4. Nenita D. Juan</td> <td>CAF-Dingras</td> </tr> <tr> <td>5. Dyrma I. Sabas</td> <td>CAS</td> </tr> <tr> <td>6. Madelyn Q. Quitariano</td> <td>CASAT</td> </tr> <tr> <td>7. Glora B. Eugenio</td> <td>CIT-Laoag</td> </tr> <tr> <td>8. Inocencia D. Catubay</td> <td>CIT-Paoay</td> </tr> <tr> <td>9. Juanita A. Licuan</td> <td>COE</td> </tr> <tr> <td>10. Irene T. Acuna</td> <td>CTE-College Department</td> </tr> <tr> <td>11. Dolores Cacao</td> <td>UHS-Batac</td> </tr> <tr> <td>12. Elsie R. Marcelino</td> <td>LHS-Laoag</td> </tr> <tr> <td>13. Rosella A. Borromeo</td> <td>LES-Laoag</td> </tr> </tbody> </table> <p><i>Appendix D – MMSU Facilities</i></p>	Guidance Counselor	College/Unit	1. Nona A. Adaza	Chief, Guidance Program & GC, CBEA	2. Elizabeth Marfel F. Gani	Chief, University Psychological Testing Center & GC, COE	3. Irene D. Flores	CAF	4. Nenita D. Juan	CAF-Dingras	5. Dyrma I. Sabas	CAS	6. Madelyn Q. Quitariano	CASAT	7. Glora B. Eugenio	CIT-Laoag	8. Inocencia D. Catubay	CIT-Paoay	9. Juanita A. Licuan	COE	10. Irene T. Acuna	CTE-College Department	11. Dolores Cacao	UHS-Batac	12. Elsie R. Marcelino	LHS-Laoag	13. Rosella A. Borromeo	LES-Laoag
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<ul style="list-style-type: none"> • Student Lounge 	<p>Each of the colleges has student lounge which is maintained by the respective Student Council. Additionally, the various student organizations have purchased nipa huts and outdoor benches that could be used by students as discussion and study/relaxation areas during their meetings and vacant hours, respectively.</p> <p><i>Appendix D – MMSU Facilities</i></p>
<ul style="list-style-type: none"> • Canteen 	<p>The university manages a university-wide cafeteria adjacent to the CBEA in the Batac campus. It also operates satellite canteens in the various colleges as well as in the FEM hall. CIT manages its own canteen. The canteen in CASAT is managed by a private individual while that in Campus 2 (CTE & GS campus) is managed by the university cooperative.</p> <p><i>Appendix D – MMSU Facilities</i></p>
<ul style="list-style-type: none"> • Physical Education/NSTP space of at least 100 sq m 	<p>Through the years, the university has developed and maintained facilities and acquired equipment in support to physical education/NSTP courses, athletic activities such as university intramurals and SCUAA meet and field demonstrations. Among the facilities are:</p> <ol style="list-style-type: none"> a. Athletic oval b. Basketball/volley ball court c. Olympic sized swimming pool d. Tennis court <p><i>Appendix D – University Facilities</i></p>
<ul style="list-style-type: none"> • AVR/Auditorium 	<p>The main campus has a university theatre popularly called “Teatro Ilocandia”. Located near the athletic oval, this 2,000-seater (main hall and balcony) fully air-conditioned theatre is equipped with facilities for stage plays and cultural shows. Its main hall which could accommodate 1,300 persons is also a convenient place for conferences and seminars and can be turned into a big and elegant venue for occasions such as wedding, birthdays, and baptisms among others.</p> <p>The various colleges also maintain a conference room which is wide enough to accommodate all the faculty members. Some colleges have multimedia center.</p> <p><i>Appendix D – MMSU Facilities</i></p>

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<ul style="list-style-type: none"> • Other Student Service Facilities 	<p>Other student service facilities (could also be availed by faculty and staff) are:</p> <ol style="list-style-type: none"> a. Gymnasium – Campus 2 b. Communication (Telephone and Post Office) c. Land Bank ATM Machine d. Housing facilities (Coeds dormitory, Ladies Dorm, Magnolia dormitory in Campus 2) e. Parks and garden (University lagoon and Sunken Garden) f. Student Center g. University Physical Therapy and Rehabilitation Center h. Workshops i. Motorpool <p><i>Appendix D – MMSU Facilities</i></p>
<p>4. Conditions of the following facilities:</p> <ol style="list-style-type: none"> a. Classrooms <ul style="list-style-type: none"> • Ventilation • Lighting • Cleanliness 	
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<ol style="list-style-type: none"> d. Laboratories <ul style="list-style-type: none"> • Ventilation • Lighting • Cleanliness 	
<ol style="list-style-type: none"> e. Offices <ul style="list-style-type: none"> • Ventilation • Lighting • Cleanliness 	
<ol style="list-style-type: none"> f. Comfort rooms (clean and properly maintained) 	

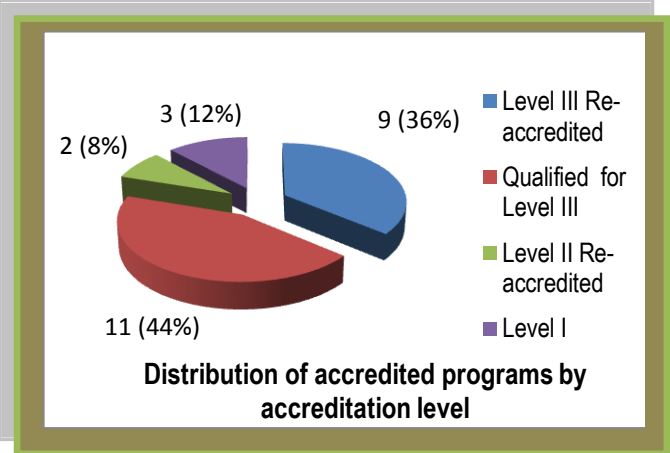
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5. There is an efficient fire alarm and fire fighting system conforming to established standards <ul style="list-style-type: none"> • Fire exit • Fire extinguishers • Signage/s 	Fire extinguisher and usage procedures are installed in laboratories and certain offices																																				
<ul style="list-style-type: none"> • Corridors free from obstructions 	All buildings have wide and open corridors																																				
<ul style="list-style-type: none"> • Adequacy of potable water 	Offices are provided with water dispenser. Occupants contribute for the purchase of mineral water.																																				
6. School's facade	<p>A famous landmark in the university main campus in Batac is its U-shaped administration building now called the "Ferdinand Edralin Marcos Hall" and its beautifully landscaped facade. In front of the building is the statue of the father of former President Ferdinand E. Marcos whom the university was named after. The main entrance going to the building is through the twin gate along Batac-Paoay road. Behind the building is a sunken garden which served as the venue for outdoor commencement exercises.</p> <p><i>Appendix D – MMSU Facilities</i></p>																																				
<p>II. Students and Faculty Information on the following:</p> <p>1. Students</p> <ul style="list-style-type: none"> • Enrolment • Foreign Students <p>2. Student-Teacher ratio</p>	<p>Average enrolment for the last five years (1st semester): Graduate programs, 402; Bachelor's degree programs, 8,136; High School, 565; Elementary, 510 and pre-school, 156.</p> <p>Number of Foreign students – 3</p> <p>Student-teacher ratio – 25:1</p> <div data-bbox="678 1251 1382 1787" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Enrolment by college, SY2009-2010</p> <table border="1" style="display: none;"> <caption>Enrolment by college, SY2009-2010</caption> <thead> <tr> <th>College</th> <th>1st Semester</th> <th>2nd Semester</th> </tr> </thead> <tbody> <tr><td>GS</td><td>450</td><td>450</td></tr> <tr><td>CAF</td><td>800</td><td>750</td></tr> <tr><td>CAS</td><td>750</td><td>700</td></tr> <tr><td>CASAT</td><td>100</td><td>100</td></tr> <tr><td>CBEA</td><td>1700</td><td>1650</td></tr> <tr><td>CHS</td><td>1750</td><td>1700</td></tr> <tr><td>COE</td><td>1550</td><td>1500</td></tr> <tr><td>COL</td><td>50</td><td>50</td></tr> <tr><td>CIT</td><td>1450</td><td>1400</td></tr> <tr><td>CTE</td><td>1350</td><td>1300</td></tr> <tr><td>ILS</td><td>1450</td><td>1400</td></tr> </tbody> </table> </div>	College	1st Semester	2nd Semester	GS	450	450	CAF	800	750	CAS	750	700	CASAT	100	100	CBEA	1700	1650	CHS	1750	1700	COE	1550	1500	COL	50	50	CIT	1450	1400	CTE	1350	1300	ILS	1450	1400
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Program	2005-2006		2006-2007		2007-2008		2008-2009		2009-2010										
	1 st	2 nd	1 st	2 nd	1 st	2 nd	1 st	2 nd	1 st										
Graduate	365	350	369	408	403	402	419	372	455										
Bachelors	7352	6878	7773	7254	8057	7479	8280	7848	9220										
Short-term	17	13	14	6	13	11	31	24	63										
Non-degree	172	122	-	-	-	-	-	-	-										
Lab Schools																			
High School	491	491	493	493	550	550	613	613	679										
Elem	464	464	463	463	500	500	549	549	576										
Pre-school	120	120	145	145	167	167	190	170	178										
Total	8981	8438	9257	8769	9690	91909	10062	9576	11171										
<p>3. Institutional Scholarship Programs/Grants</p> <ul style="list-style-type: none"> Type Number of recipients 		<p>The university provides various forms of scholarships and study grants. For SY 2009-2010, a total of 1,811 students availed of these scholarships/grants during the first semester and 1,771 students during the second semester. The majority of them availed of the study grants such as athletic, barangay, cultural and MMSU dependents' and CSC officers' freeship. Ranking second and third in terms of number were the academic scholars and recipients of other government scholarships, respectively. Other government scholarships include those provided funding by the Agricultural Training Institute, CHED, Department of Science and Technology, Civil Service Commission, Government Service Insurance System, and FAST-PACE among others.</p>																	
		<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Distribution of scholars/grantees, 1st Sem SY 2009-2010</p> <table border="1" style="margin: 0 auto;"> <thead> <tr> <th>Scholarship Type</th> <th>Number of Recipients</th> </tr> </thead> <tbody> <tr> <td>Privately-funded scholarships</td> <td>56</td> </tr> <tr> <td>Other government scholarships</td> <td>415</td> </tr> <tr> <td>MMSU study grants</td> <td>867</td> </tr> <tr> <td>Academic scholarship</td> <td>473</td> </tr> </tbody> </table> </div>								Scholarship Type	Number of Recipients	Privately-funded scholarships	56	Other government scholarships	415	MMSU study grants	867	Academic scholarship	473
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AREA/ASPECT	ACTUAL SITUATION										
	<div data-bbox="667 373 1414 909" style="border: 1px solid black; padding: 10px; background-color: #e6f2e6;"> <p style="text-align: center;">Distribution of scholars/grantees, 2nd Sem SY 2009-2010</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Scholarship Type</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>Privately-funded scholarships</td> <td>51</td> </tr> <tr> <td>Other government scholarships</td> <td>443</td> </tr> <tr> <td>MMSU study grants</td> <td>855</td> </tr> <tr> <td>Academic scholarship</td> <td>422</td> </tr> </tbody> </table> </div> <p style="text-align: center;"><i>Appendix E – Students (enrolment, scholarships and graduation)</i></p>	Scholarship Type	Count	Privately-funded scholarships	51	Other government scholarships	443	MMSU study grants	855	Academic scholarship	422
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4. Administration and Faculty											
a. Qualification of the Head	<table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 30%;">University President</td> <td>Dr. Miriam E. Pascua</td> </tr> <tr> <td style="vertical-align: top;">Highest Educational Attainment</td> <td>Doctor of Philosophy (Plant Breeding) UP at Los Banos, Laguna, Philippines</td> </tr> <tr> <td style="vertical-align: top;">Professional License</td> <td>Licensed Agriculturist DOST-Accredited Scientist I CHED Technical Panel for Agriculture</td> </tr> <tr> <td style="vertical-align: top;">Managerial Experience</td> <td>College Dean for 6 years OIC VP for Academic Affairs for more than 6 months University President – serve the remaining 2-year term of Dr. Saturnino M. Ocampo Jr.; now on the 3rd year of her first term as University President Project Leader – “Garlic industry, Philippines”, a research funded by the International Development Research Center-Canada Project Leader – MMSU-DA-BAR projects “Management of postharvest pests for garlic”, “Pest management strategies for garlic sustainable production”, and “Micropropagation of virus-free and true-to-type planting materials of garlic”</td> </tr> </table>	University President	Dr. Miriam E. Pascua	Highest Educational Attainment	Doctor of Philosophy (Plant Breeding) UP at Los Banos, Laguna, Philippines	Professional License	Licensed Agriculturist DOST-Accredited Scientist I CHED Technical Panel for Agriculture	Managerial Experience	College Dean for 6 years OIC VP for Academic Affairs for more than 6 months University President – serve the remaining 2-year term of Dr. Saturnino M. Ocampo Jr.; now on the 3 rd year of her first term as University President Project Leader – “Garlic industry, Philippines”, a research funded by the International Development Research Center-Canada Project Leader – MMSU-DA-BAR projects “Management of postharvest pests for garlic”, “Pest management strategies for garlic sustainable production”, and “Micropropagation of virus-free and true-to-type planting materials of garlic”		
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AREA/ASPECT	ACTUAL SITUATION
<p>Proof of good moral character</p>	<p>Project Leader – MMSU-PhilRice Project “NCT for Rainfed Lowland Rice (Direct-seeded)</p> <ul style="list-style-type: none"> • Has not been accused or charged of any criminal, civil or administrative violation • Good moral character was among the basic requirements by the Search Committee for the selection of the University President in 2005
<p>b. No. of Administrators</p> <ul style="list-style-type: none"> • With Bachelor’s degree • With Master’s degree • With Doctorate degree 	<p>Administrative Council – 32</p> <p>BS - 1 MS - 10 PhD/EdD - 21</p> <p>The management/executive officials of the university are collectively referred to as Administrative Council. The council, a total of 32 members (2 members concurrent occupy 2 positions), is composed of the University President, four Vice Presidents (Academic Affairs, Administration & Business Affairs, Research & Extension, and Planning, Development & External Linkages) 10 College Deans; Director of Integrated Laboratory Schools; Dean for Instruction; and non-academic 15 non-Academic Directors (Research & Development; Extension Services,; Student Services and Development; Physical Education, Sports and Cultural Development; University Manpower Development Program; External Affairs & Partnerships; Planning & Corporate Affairs; Information Technology Training Center; University Library System; University Registrar & Admissions; Administrative; Finance; Security & Monitoring Services, Physical Plant and Ground Development; Communications & Media Relations, and University Secretary.</p> <p>All positions are occupied by faculty designees except the University President, two VPs, and the Director of Finance.</p> <p><i>Appendix F – Educational Attainment of the members of the Administrative Council</i></p>
<p>c. No. of Faculty</p> <ul style="list-style-type: none"> • Full-time • Part-time <p>Note: Detailed information on qualifications are in the program monitoring and evaluation instrument</p>	<p>Total faculty : 492</p> <p>Full-time – 465 (94.51%) Part-time - 27 (5.49%)</p>

AREA/ASPECT	ACTUAL SITUATION																																													
	<div data-bbox="678 359 1398 842" style="border: 1px solid purple; padding: 10px;"> <p style="text-align: center;">Distribution of full-time faculty by level of appointment</p> <table border="1"> <thead> <tr> <th>Level of Appointment</th> <th>Count</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Permanent</td> <td>283</td> <td>60.86%</td> </tr> <tr> <td>Temporary</td> <td>80</td> <td>17.20%</td> </tr> <tr> <td>Substitute</td> <td>4</td> <td>0.86%</td> </tr> <tr> <td>Contractual</td> <td>82</td> <td>17.63%</td> </tr> <tr> <td>Contract of service</td> <td>16</td> <td>3.44%</td> </tr> </tbody> </table> </div> <div data-bbox="678 863 1398 1287" style="border: 1px solid orange; padding: 10px;"> <p style="text-align: center;">Distribution of full-time faculty by educational attainment</p> <table border="1"> <thead> <tr> <th>Educational Attainment</th> <th>Count</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Ph D/Ed D</td> <td>67</td> <td>14.41%</td> </tr> <tr> <td>MS/MA</td> <td>205</td> <td>44.09%</td> </tr> <tr> <td>BS/BA</td> <td>193</td> <td>41.50%</td> </tr> </tbody> </table> </div> <div data-bbox="678 1308 1398 1770" style="border: 1px solid green; padding: 10px;"> <p style="text-align: center;">Fig 3. Distribution of full-time faculty by academic rank</p> <table border="1"> <thead> <tr> <th>Academic Rank</th> <th>Count</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Professor</td> <td>23</td> <td>4.95%</td> </tr> <tr> <td>Assoc. Professor</td> <td>88</td> <td>18.92%</td> </tr> <tr> <td>Asst. Professor</td> <td>124</td> <td>26.67%</td> </tr> <tr> <td>Instructor</td> <td>230</td> <td>49.46%</td> </tr> </tbody> </table> </div>	Level of Appointment	Count	Percentage	Permanent	283	60.86%	Temporary	80	17.20%	Substitute	4	0.86%	Contractual	82	17.63%	Contract of service	16	3.44%	Educational Attainment	Count	Percentage	Ph D/Ed D	67	14.41%	MS/MA	205	44.09%	BS/BA	193	41.50%	Academic Rank	Count	Percentage	Professor	23	4.95%	Assoc. Professor	88	18.92%	Asst. Professor	124	26.67%	Instructor	230	49.46%
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AREA/ASPECT	ACTUAL SITUATION															
d. No. of Academic Non-teaching Staff (Researchers and Librarians) <ul style="list-style-type: none"> • With Bachelor's Degree • With Master's Degree • With Doctorate Degree 	Total – 44 24 16 4															
e. No. of Non-Academic Staff <ul style="list-style-type: none"> • With Bachelor's Degree • With Master's Degree • With Doctorate Degree • Undergraduate 	Total – 259 129 27 1 102															
III. No. of Accredited Programs (Indicate Levels)	<p>As of December 2009, 25 (51.02%) programs are accredited at various accreditation levels and 10 are on candidate status. Of the 25 accredited programs, more than 50 percent are on Level III Re-accredited and Qualified for Level III statuses. If the 10 programs on candidate status will pass the next accreditation survey visit which is scheduled in July 2010, 71 percent of the curricular programs are already on accredited status, which consequently qualifies the university to go for institutional accreditation.</p> <div style="text-align: center;">  <p>Distribution of accredited programs by accreditation level</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Accreditation Level</th> <th>Number of Programs</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Level III Re-accredited</td> <td>9</td> <td>36%</td> </tr> <tr> <td>Qualified for Level III</td> <td>11</td> <td>44%</td> </tr> <tr> <td>Level II Re-accredited</td> <td>3</td> <td>12%</td> </tr> <tr> <td>Level I</td> <td>2</td> <td>8%</td> </tr> </tbody> </table> </div> <p><i>Appendix F – Accreditation status of the various programs</i></p>	Accreditation Level	Number of Programs	Percentage	Level III Re-accredited	9	36%	Qualified for Level III	11	44%	Level II Re-accredited	3	12%	Level I	2	8%
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AREA/ASPECT	ACTUAL SITUATION																																							
IV. Research																																								
a. Dynamic Research Programs	<p>R&D undertaking involves an array of research programs aligned to the national R&D thrusts geared towards the generation of up-to-date technologies and information relevant to the needs of stakeholders. These programs focus on production and productivity improvement; food safety, competitiveness and security; energy and industry; forestry and environment; information technology; technology commercialization; education and health; and business and economics.</p> <p><i>Appendix G – Research Services</i></p>																																							
b. Budget	<p>Funding support for the implementation of R&D activities comes from two sources: <u>a) university's general appropriations from research activities (GAA funds)</u> and <u>b) external funds from national and international research granting institutions, agencies or organization.</u></p> <p>The <u>GAA funds</u> include budgetary allocations for a) Personal Services, b) Maintenance and Other Operating Expenses (MOOE), and c) Equipment/Capital Outlay. The average allocation for the last 5 years was PhP23,635,208.40 while the obligated amount was PhP21,086,077.40. For FY 2010, total allocation is PhP 31,206,000.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="2">Research Budget</th> <th colspan="2">% of Total Budget</th> </tr> <tr> <th>Allocated</th> <th>Obligated</th> <th>Allocated</th> <th>Obligated</th> </tr> </thead> <tbody> <tr> <td>2005</td> <td>20,356,207</td> <td>19,495,807</td> <td>8.77</td> <td>9.07</td> </tr> <tr> <td>2006</td> <td>20,408,000</td> <td>22,044,128</td> <td>8.79</td> <td>8.98</td> </tr> <tr> <td>2007</td> <td>21,727,000</td> <td>21,652,791</td> <td>8.91</td> <td>8.71</td> </tr> <tr> <td>2008</td> <td>28,016,835</td> <td>22,362,769</td> <td>11.08</td> <td>9.49</td> </tr> <tr> <td>2009</td> <td>27,668,000</td> <td>19,874,892</td> <td>9.16</td> <td>9.15</td> </tr> <tr> <td>2010</td> <td>31,206,000</td> <td></td> <td>10.20</td> <td></td> </tr> </tbody> </table> <p><i>Appendix G– Research Services</i></p>	Year	Research Budget		% of Total Budget		Allocated	Obligated	Allocated	Obligated	2005	20,356,207	19,495,807	8.77	9.07	2006	20,408,000	22,044,128	8.79	8.98	2007	21,727,000	21,652,791	8.91	8.71	2008	28,016,835	22,362,769	11.08	9.49	2009	27,668,000	19,874,892	9.16	9.15	2010	31,206,000		10.20	
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c. Publication	<p>In addition to the MMSU S&T Journal, research results were published in ISI current content/refereed journals, non-refereed journals, proceedings of national/international workshops, or a chapter in a book. From 1995 to 2009, a total of 99 research papers were published in journals and 250 papers presented in international and national workshop/conference proceedings and seminars. The ISI current content journals include Experimental Agriculture and Soil Science Society of America Journal.</p> <p><i>Appendix F – Research Services</i></p>																																							

AREA/ASPECT	ACTUAL SITUATION
<p>d. List of international and national recognition</p>	<p>The university research services present a host of significant accomplishments which are truly favourable and rewarding to the university and its constituents and clientele. Year after year, the diligent and dedicated university researchers (faculty, full-time and student researchers) have proven that their research results are of high quality and truly responsive to the needs of the target clientele.</p> <p>University researchers reaped recognition for their research outputs which are not only accepted for presentation in national and international conferences and other scientific gatherings but are also publishable in refereed journals, 5 faculty members were accredited as scientists, 5 were accredited as technical experts in higher education, and many received fellowships and travel grants as well as given opportunity to work/collaborate with nationally and internationally renowned scientists, researchers and research institutions. Other research awards include best paper and best poster awards.</p> <p><i>Appendix G– Research Services</i></p>
<p>e. List of Awardees</p>	<p>International Level</p> <ul style="list-style-type: none"> a. MMSU – Outstanding Development Partner of ICRISAT b. Eva Macugay – Best research poster award (PAASE) c. Dr. Miriam E. Pascua – 10-day study tour to Rural Development Administration, Suwon, South Korea (RP-Korea) d. Dr. Sixto R. Pascua Jr. – 10-day study tour to Rural Development Administration, Suwon, South Korea (RP-Korea) e. Dr. Epifania O. Agustin - 10-day study tour to Rural Development Administration, Suwon, South Korea (RP-Korea) f. Dr. Stanley C. Malab – Study tour to Thailand g. Ms. Evangeline S. Galacgac – Scholarship grant to Wisconsin, USA (College of Menominee Nation, USA) and scholarship grant to Kunming, China (Asia-Pacific Association of Forestry Research Institutions) h. Dr. Nathaniel R. Alibuyog – Travel grant to Changmai, Thailand (USDA-ARS-SANREM), travel grant to AIT, Bangkok, Thailand (University of Tokyo) and training grant to Chengdu, China (Ministry of Commerce, China, PROC) i. Dr. Shirley C. Agrupis – Training grant to Kansas, University, USA (USDA) <p>National Level</p> <ul style="list-style-type: none"> a. DOST-Accredited Scientists <ul style="list-style-type: none"> a.1. Engr. Samuel S. Franco – Scientist 2 a.2. Dr. Teresita F. Marcos – Scientist 1 a.3. Dr. Stanley C. Malab – Scientist 1 a.4. Dr. Julita Ungson – Scientist 1 a.5. Dr. Miriam E. Pascua – Scientist 1

AREA/ASPECT	ACTUAL SITUATION
	<p>b. CHED – Technical Experts</p> <p>b.1. Dr. Epifania O. Agustin – agriculture, fisheries and forestry</p> <p>b.2. Dr. Rogelio R. Caluya (deceased) – agriculture, fisheries and forestry</p> <p>b.3. Stanley C. Malab – agriculture, fisheries and forestry</p> <p>b.4. Carlos M. Pascual – engineering, maritime studies and architecture</p> <p>b.5. Saturnino M. Ocampo Jr. – teacher education</p> <p>c. Authors of award-winning research papers and technologies – see <i>list of awards in Appendix G</i></p>
<p>f. Research Office</p>	<p>The research function of the university is coordinated by its R&D Directorate which office is housed at the Crops Research Laboratory, in the main campus in the City of Batac. It is headed by a director of research under the direct supervision of the vice president for research and extension. The directorate acts as the central coordinating, monitoring and implementing unit for R&D activities of the university system. College Research Coordinators are designated to serve as a link between the directorate and the colleges in the implementation of research programs.</p> <p>The R&D Directorate is manned by 43 full-time researchers with regular plantilla positions They are specialists in various fields such as agriculture, fisheries, biology, communication, economics, environmental science, computer science and education among others.</p> <p>The various colleges of the university have a pool of faculty researchers who are highly trained in their respective fields of specialization. Their competencies and research skills are further enhanced and research skills are further enhanced/honed by attending degree and/or special training programs in prestigious universities in the country and abroad; scientific conferences and other research-related activities at all levels, international, national/regional and local; membership in professional organization or societies; and linkages with national and international agencies and organizations including the opportunity to collaborate/work with renowned national and international scientists.</p> <p><i>Appendix G – Research Services (Screen shots of R&D website)</i></p>

AREA/ASPECT	ACTUAL SITUATION												
<p>g. Other sources of funding for research</p>	<p>As mentioned earlier, research funds come from 2 sources: GAA and external funds from national and international research granting institutions, agencies or organization.</p> <p><u>External funds</u> may either be in full or on a counterpart sharing scheme. In many of the externally-funded projects, MMSU provides the basic manpower while the collaborating/funding institutions/agencies provide the MOOE (including honoraria of project leaders/staff). In some of these projects, however, the funding agencies also provide equipment outlay for laboratory facilities, funds for the purchase of vehicle, and salaries for contractual researchers and labourers.</p> <p>Externally-funded projects also provide funds for the hiring of research assistants and enumerators.</p> <p>From 2001 to 2009, the total amount received by the university for the implementation of externally-funded projects is PhP33,105,921.86. This amount supported/is supporting the implementation of 59 projects.</p> <table border="1" data-bbox="651 974 1424 1113"> <thead> <tr> <th>Nature of Funding</th> <th>No. of Projects</th> <th>No. of Faculty Involved</th> <th>Total Budget (PhP)</th> </tr> </thead> <tbody> <tr> <td>International</td> <td>7</td> <td>11</td> <td>3,052,986.28</td> </tr> <tr> <td>National</td> <td>59</td> <td>44</td> <td>36,870,953.35</td> </tr> </tbody> </table> <p>Among the institutions and/or organizations which have provided or are providing research grants to MMSU are: International Center for Research in the Semi-arid Tropics (ICRISAT), European Commission, Australian Center for International Agricultural Research (ACIAR), International Network for the Improvement of Banana and Plantain; Southeast Asian Centre for Graduate Studies and Research in Agriculture (SEARCA), Monsanto, Philippines, Department of Agriculture – Bureau of Agricultural Research, Philippine Rice Research Institute, Commission on Higher Education, Department of Science and Technology, Department of Energy, National Economic Development Authority, among others.</p> <p><i>Appendix G – Research Services</i></p>	Nature of Funding	No. of Projects	No. of Faculty Involved	Total Budget (PhP)	International	7	11	3,052,986.28	National	59	44	36,870,953.35
Nature of Funding	No. of Projects	No. of Faculty Involved	Total Budget (PhP)										
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<p>V. Extension Services a. Provisions of community/extension programs along areas of expertise</p>	<p>Highly credible, sustainable and award-winning programs involving faculty, staff, students, community and other stakeholders</p> <p><i>Appendix H – Extension Programs/Services</i></p>												

AREA/ASPECT	ACTUAL SITUATION
a1. Application of research results	<p>7 projects :Rice seed production network, Sugarcane processing incubation project. MMSU-DOST sugarcane seed stock production, Integrated livestock & poultry demo project, Livestock dispersal program, Fruit crops nursery, Bamboo development project, and Urban Garden Model</p> <p>✓ The project “Rice Seed production network” project was adjudged Best HEI Extension program by the CHED in 2008.</p>
a2. Continuing education	<p>3 projects : Field day & cross farm visit; skills development courses for professionals, rural women, farmers and OSYs; Pre-dispersal seminars; base agency of the Ilocos Norte Center for Human Rights Education (INCHRE).</p>
a3. Community services	<p>10 projects: Seed stock dispersal project for rice and corn, Students in free enterprise (SIFE), Bio-Intensive gardening project, Gawad Kalinga project, Information and Technology Caravan, Techno-Gabay program, Business Resource and Development Center (BRDC) – micro financing for rural entrepreneurs, Bookkeeping and auditing of cooperatives, Pasilaw assistance program, S&T Rural Enterprise Assistance Mechanism-Municipal S&T Advisory Program (STEAM-MSTAP), and Radio Program “MMSU-Rimat ti Ilocandia”.</p> <p>✓ The INCHRE was recognized as Best CHRE in Region 1 by the Commission on Higher Education in 2009</p> <p>✓ The MMSU-SIFE team, after winning in the National SIFE exposition this year represented the SIFE Philippines in Berlin, Germany on October 2-6, 2009. The team competed for the SIFE World Cup.</p> <p>✓ Ms. Sara Dabucon, a recipient of the STEAM-MSTAP, was one of the 16 winners to the “Pondo sa Sipag, Puhunan sa Tiyaga” project of Sen. Manny Villar in 2008.</p>
VI. Program Offering	<p>The university offers 49 degree programs; 13 (26.53%) graduate (including Law) and 36 (73.47%) undergraduate. The graduate programs include Doctor of Education major in Educational Management; Doctor of Philosophy majors in Linguistics and Rural Development; Master of Arts in Education with 16 major fields of specialization; Master of Arts in Language and Literature, Master of Arts/Master in Nursing majors in Medical Surgical Nursing and Maternal and Child Health; Master/Master</p>

AREA/ASPECT	ACTUAL SITUATION												
	<p>of Arts in Mathematics; Master of Arts in Public Administration; and Master of Science in Biology, Agriculture and Engineering.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Program</th> <th style="width: 30%;">Number</th> </tr> </thead> <tbody> <tr> <td>Degree programs</td> <td style="text-align: center;">49</td> </tr> <tr> <td style="padding-left: 20px;">Graduate including Bachelor of Laws</td> <td style="text-align: center;">13 (26.53%)</td> </tr> <tr> <td style="padding-left: 20px;">Undergraduate</td> <td style="text-align: center;">36 (73.47%)</td> </tr> <tr> <td>Laboratory High Schools (Regular and Science Curricula)</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Laboratory Elementary Schools (Laoag & Batac campuses)</td> <td style="text-align: center;">2</td> </tr> </tbody> </table> <p>Other Programs:</p> <ul style="list-style-type: none"> • Accelerated Teacher Education Program • Teacher induction program • Intel Teach Essentials Courses and World Links Philippine Curriculum • Diver courses <p>The university offers the above programs through its 10 academic units namely: Graduate School (GS), College of Law (COL), College of Agriculture and Forestry (CAF), College of Aquatic Science and Applied technology (CASAT), College of Arts and Sciences (CAS), College of Business, Economics and Accountancy (CBEA), College of Engineering (COE), College of Health Sciences (CHS), College of Industrial Technology (CIT), College of Teacher Education (CTE), and Integrated Laboratory Schools (ILS). These academic units are located in 5 campuses distributed in 5 towns of Ilocos Norte, namely, Batac (main campus), Laoag City, Paoay, Currimao and Dingras. Each unit is under the direct supervision of the respective College Dean.</p> <p>The Accelerated Teacher Education Program, Teacher Induction Program, and Intel Teach Essentials Courses and World Links Philippine Curriculum are implemented by the CTE whereas the offering of the Diver courses is a joint undertaking of MMSU, Association of Diving School International and International Technical Divers Foundation.</p>	Program	Number	Degree programs	49	Graduate including Bachelor of Laws	13 (26.53%)	Undergraduate	36 (73.47%)	Laboratory High Schools (Regular and Science Curricula)	2	Laboratory Elementary Schools (Laoag & Batac campuses)	2
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AREA/ASPECT	ACTUAL SITUATION
<p>Curricular Programs</p> <p><u>Graduate School</u> Doctor of Education <i>Major in Educational Management</i> Doctor of Philosophy <i>Majors in Rural Development and Linguistics</i> Master of Arts in Education <i>Majors in Biology, Chemistry, Early Childhood Education, Educational Management, Language & Literature, Guidance & Counseling, Library & Information Management, Mathematics, PEHM/MSEPK, Physics, Science Education, Special Education, Social Studies, Technology & Home Economics, and Wika at Panitikan.</i> Master of Arts in English Language & Literature Master of Arts in Mathematics Master of Arts in Nursing <i>Major in Medical-Surgical Nursing and Maternal & Child Health Nursing</i> Master of Arts in Public Administration Master of Science in Agriculture <i>Major in Animal Science & Crop Science</i> Master of Science/Master in Biology/Biological Sciences Master of Science in Engineering <i>Major in Agricultural Engineering</i> Master of Science in Mathematics Master of Science in Rural Development/Master in Rural Development <u>College of Law</u> – Bachelor of Laws <u>College of Agriculture and Forestry</u> Bachelor of Science in Agriculture <i>Majors in Agricultural Extension, Animal Science, Agronomy, and Horticulture</i> Bachelor of Science in Forestry Bachelor of Science in Home Technology <i>Majors in Foods and Home Technology Education</i> Bachelor of Science in Hospitality Management Bachelor of Agricultural Technology <i>Majors in Animal Production Technology and Crop Production Technology</i> <u>College of Aquatic Sciences & Applied Technology</u> Bachelor of Science in Fisheries <i>Majors in Aquaculture, Fish Processing and Marine Fisheries</i> Bachelor of Science in Marine Biology <u>College of Arts and Sciences</u> Bachelor of Arts in English Studies <i>Majors in Communication Arts and English as a Second Language</i> Bachelor of Arts in Sociology Bachelor of Science in Biology Bachelor of Science in Computer Science</p>	<p>BS in Development Communication BS in Environmental Science Bachelor of Science in Mathematics <u>College of Business, Economics & Accountancy</u> Bachelor of Science in Accountancy Bachelor of Science in Business Administration <i>Majors in Human Resource Development Management, Management, Management Accounting, Marketing Management, and Tourism Management</i> Bachelor of Science in Entrepreneurship Bachelor of Science in Cooperative Management Bachelor of Science in Economics <u>College of Health Sciences</u> BS Nursing BS Physical Therapy BS Pharmacy <u>College of Engineering</u> BS in Agricultural Engineering BS in Ceramic Engineering BS in Chemical Engineering BS in Computer Engineering BS in Civil Engineering BS in Computer Engineering BS in electrical Engineering BS in Electronics & Comm. Engineering BS in Mechanical Engineering <u>College of Industrial Technology</u> BS in Automotive Technology BS in Industrial Education <i>Majors in Automotive, Drafting, Electronics, Food, and Garments</i> BS in Industrial Technology <i>Majors in Automotive, Ceramics, Civil, Computer, Drafting, Electronics, Communication, Food, Garments and refrigeration & Air-conditioning Technologies</i> <u>College of Teacher Education</u> Bachelor of Elementary Education <i>Generalist or majors in Pre-school Education and Special Education</i> Bachelor of Science in Education <i>Majors in Biological Science, English, Filipino, Mathematics, MAPEH, Physical Science, Social Studies, and Technology & Livelihood Education</i> Diploma in Early Childhood Education Teacher Certificate Program Professional Education courses <i>Through normal delivery and distance learning modes (40% on-line and 60% face-to-face)</i></p>