

Mongolian Education System

Mungunbayar Bat-Ochir
Trainee at Vienna University of Technology
18 July 2006

Table of Contents

1. Brief History of Mongolian Education
2. Education system in Mongolia
3. Introduction of MUST

Brief History

Prior to the introduction of socialism in Mongolia, a formal education was something that only took place in monasteries and amongst government officials.

Informal practical skills were learnt at home and passed on in the family environment

Brief History

The country had no previous experience of systemized education before the communist revolution in 1921.

The new system in many ways resembles the duplicated education system of the former Soviet Union.

Historical facts

- Mongolian 1st University was found in 1942
- In 1981 education consumed 20% of budget
- Prior to 1993, education at all levels was free
- Literacy 97.8% of total population (2005)

Mongolian Education System

The Ministry of Science, Education and Culture (MSEC) is the central administrating body that formulates national educational policy and sets the standards for each level of formal education.

General scheme of education system

1. Pre-school or kindergarten
2. Ten-year formal schooling
 - Primary
 - Lower secondary
 - Upper secondary
3. Technical education and vocational training
4. Higher education: All academic degrees

Facts

- 600+ Primary and Secondary schools
- ~200 Universities and Colleges
- Total number of students in HE Institutions ~95000

Pre-Higher Education

	Length of program	Age of entry and exit
Primary	4	8-12
Lower secondary	4	12-16
Upper secondary	2	16-18

State universities of Mongolia

1. National University of Mongolia
2. **Mongolian University of Science and Technology**
3. University of Health Science
4. Mongolian University of Education
5. University of Art and Culture
6. University of Defense (**no payment**)
7. Police Academy (**no payment**)
8. University of Humanitary
9. College of Finance and Economics
10. College of Trade and Production

Higher Education

Higher education institutions

1. Accredited
2. Non-Accredited

Higher Education

- ~250\$ per semester
- Vacation from 15 july to 25 aug

Grading and Evaluations

In 1998, the Ministry has directed universities and colleges to introduce an equalization formula, in effort to bring the grading system closer to the international standard, i.e., A, B, C, D and F, with a figure equivalent of 4,3,2,1, and 0

Future

Since 2004 education system has been changing progressively

11 years of pre-higher education system is being introducing in Mongolia like western countries.

Mongolian University of Science and Technology



- Leading university for engineering education
- Established in 1969
- 16 Schools (4 in province centers)
- 38 Research Institutes and Centers
- 126 Professors/Chairs
- 120 Academic programs
- 700 Faculty staff
- 16000 Undergraduate students
- 1000 Graduate students

Mongolian University of Science and Technology

The academic activities in the University abide by the list of training fields made by the Ministry of Education, Culture and Science of Mongolia, and according to the training programs and curricula.

Mongolian University of Science and Technology

1. School of civil engineering
2. School of power engineering
3. **School of mechanical engineering**
4. School of geology and petroleum engineering
5. School of mining engineering
6. School of material science
7. School of computer science and management
8. School of food and biotechnology
9. School of industrial technology and design
10. School of telecommunication and information technology
11. School of mathematics
12. School of foreign language
13. School of technology in Darkhan province
14. School of technology in Erdenet province
15. School of technology in Uvurkhangai province
16. School of technology in Sukhbaatar province

Mongolian University of Science and Technology

- Doctorate Degree (Doctor of Philosophy - Ph.D.)
- Master Degree
 - Master of Arts - M.A
 - Master of Science - M.Sc
 - Master of Engineering - M.Eng
 - Master of Computer Science - M.CS
 - Master of Public Administration - M.PA
 - Master of Business Administration - M.BA
 - Master of Industrial Management - M.IM
 - Master of Information Technology - M.IT
- Bachelor Degree
 - Bachelor of Arts - B.A
 - Bachelor of Science - B.Sc
 - Bachelor of Engineering - B.Eng
 - Bachelor of Computer Science - B.CS
 - Bachelor of Public Administration - B.PA
 - Bachelor of Business Administration - B.BA
 - Bachelor of Industrial Management - B.IM
 - Bachelor of Information Technology - B.IT)

Mongolian University of Science and Technology

	Duration	Credits	Entry requirements
Bachelor programs	4.5 years or 9 semesters	125	Graduation from secondary school and technical college
Master programs	Min 1.5 years or 3 semesters	30	Bachelor degree
Doctorate programs	Min 4-6 semesters	60	Master degree

Mongolian University of Science and Technology

Bachelor degree program consists of

1. Basic courses of higher education
2. Basic courses of the field
3. Main courses of the field

Course type

1. Lecture
2. Seminar
3. Laboratory
4. Research work

Mongolian University of Science and Technology

- One semester consists of 16 week
- Average of 16 credit hours per semester
- Single laboratory work, seminar and lecture in week each of them lasts for 90 mins
- Each semester has 2 exams and a term exam

Mongolian University of Science and Technology

Evaluation

A	4.0	96-100	Semester exam 1 = 15 points
A-	3.6	91-95	Semester exam 2 = 15
B+	3.4	87-90	Individual work = 40
B	3.0	83-86	
B-	2.7	79-82	Term Exam = 30
C+	2.4	75-78	
C	2	70-74	70+30=100 (Maximum)
C-	1.7	66-69	
D	1.4	61-65	
F	1	60	

For more Information

- The Ministry of Science, Education and Culture
www.mecs.pmis.gov.mn
- Mongolian University of Science and Technology
www.must.edu.mn
- Consortium of Mongolian Universities and Colleges
www.cmuc.edu.mn
- The National Council for Higher Education Accreditation
www.acmon.mn

Thank you