

## MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY, BUTTE, MONTANA 59701

Permanent Record

Name Address	BOWMAN, THOMAS DUKE P.O. BOX 142 ENNIS, MT 59729	High School	Entrance Information MADISON VALLEY CONS. ENNIS, MT	MCMST Information
Birthday	10/04/60	Year of Grad.	05/78	Date Graduated 5/9/82;
Birthplace	ANADARKO, OK	Entered College	08/30/78	Degree and Major B.S. Geophysical Engr.
Parent Address	DAVID E. BOWMAN P.O. BOX 142 ENNIS, MT 59729	Residency	IN-STATE	Rank in Class 115/190
		College ID Number	78-0095	
		Curriculum	PHYS	
		Social Security Number	[REDACTED]	
Dept.	No.	Title	Cr. Gr. Pt.	Summary of Special Action
			Cr. Gr. Pt.	
FIRST SEMESTER 1978-79			Cr. Gr. Pt.	
CHEM 105	INORG CHEM	3 C	6.0	FIRST SEMESTER 1979-80 CONT.
CHEM 113	INTR CHEM LAB	2 A	8.0	GEOL 301 EL PETROLOGY 3 D 3.0
F.S. 105	ENG GRAPHICS	3 A	12.0	GEOL 102 HIST GEOL 3 C 6.0
GEOL 101	PHYS GEOLOGY	3 B	9.0	HIST 162 HIST WEST CIV 3 C 6.0
HPER 145	HFG HANDBALL	1 A	4.0	HSS 110 YEARBOOK 2 A 8.0
HSS 109	YEARBOOK	2 R	6.0	HSS 223 ELEM DIFF EQ 3 C 6.0
MATH 121	ANAL GEOM+CAL	5 B	15.0	MATH 208 GEN PHYS EL-M 3 B 9.0
SEM 19.0	SEM 19.0	CUM 60.0 3.16		MATH 210 GEN PHYS LAB 1 B 3.0
SEM 19.0	SEM 19.0	CUM 60.0 3.16		PHYS 104 GEN PHYS MEC 3 C 6.0
SECOND SEMESTER 1978-79				PHYS 19.0 19.0 47.0 2.47
CHEM 106	INORG CHEM	3 C	6.0	SEM 38.0 38.0 107.0 2.82
CHEM 116	QUAL ANAL	2 C	4.0	HSS 110 I rem. 5/17/79 2 A 8.0
ENGL 104	ENGL COMP	4 C	8.0	CUM 40.0 40.0 115.0 2.88
*HSS 110	YEARBOOK	(2) T	0.0	PRE-FALL 1979
MATH 122	ANAL GEOM+CAL	5 B	15.0	201 PLANE SURVEY 4 B 12.0
MATH 140	INT DATA PR	2 A	8.0	CUM 44.0 44.0 127.0 2.89
PHYS 104	GEN PHYS MEC	3 C	6.0	CUM 96.0 96.0 246.0 2.56
SEM 19.0	SEM 19.0	CUM 81.0 81.0 213.0 2.63		
SECOND SEMESTER 1979-80				
GEOL 301	EL PETROLOGY	3 D	3.0	
GEOL 102	HIST GEOL	3 C	6.0	
HIST 162	HIST WEST CIV	3 C	6.0	
HSS 110	YEARBOOK	2 A	8.0	
HSS 223	ELEM DIFF EQ	3 C	6.0	
MATH 208	GEN PHYS EL-M	3 B	9.0	
MATH 210	GEN PHYS LAB	1 B	3.0	
PHYS 210	GEN PHYS MEC	3 C	6.0	
PHYS 210	GEN PHYS LAB	1 B	3.0	
SEM 18.0	SEM 18.0	CUM 41.0 2.28		
SEM 18.0	SEM 18.0	CUM 81.0 81.0 213.0 2.63		
FIRST SEMESTER 1980-81				
E.S. 205	ENG MECH STAT	3 D	3.0	
GEOL 303	STRUCT GEOL	3 C	6.0	
HSS 255	PRIN OF ECON	3 C	6.0	
MATH 405	ADV ENG MATH	3 C	6.0	
PHYS 405	ELEC + MAG	3 B	9.0	
SEM 15.0	SEM 15.0	CUM 33.0 2.20		
SEM 15.0	SEM 15.0	CUM 96.0 96.0 246.0 2.56		
GRADE POINTS: A = 4, B = 3, C = 2, D = 1, F = 0				
G = graduate credit; GL = graduate level; X = extension;				
RPT = course repeated; CE = continuing education.				
No other person may have access to this information				
without the written consent of the student.				
Status is good academic standing unless otherwise noted. Not				
valid as a transcript without official seal and signature.				
DATE _____	REGISTRAR _____			

SEE PAGE 2

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Issued To Student

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# MONTANA TECHNOLOGICAL UNIVERSITY EXPLANATION OF TRANSCRIPTS

## MONTANA TECHNOLOGICAL UNIVERSITY

### NAME OF INSTITUTION

The Montana State School of Mines was opened September 1900. In July 1965, the name changed to Montana College of Mineral Science and Technology. In July 1994, the College became affiliated with The University of Montana, with its name changed to Montana Tech of The University of Montana. At that time, the Division of Technology (formerly Butte Vocational-Technical Center) came under the administrative umbrella of Montana Tech. (See Highlands College at right.) Montana Tech's formal name became Montana Technological University on May 24, 2018.

### CALENDAR

Montana Tech operates on a semester system, consisting of three semesters in an academic year: Fall, Spring and Summer.

### ACCREDITATION

Montana Tech is accredited by the Northwest Association of Schools and Colleges. All engineering graduates receive a degree accredited by the Engineering Accreditation Commission of ABET.

Many programs are accredited by specialized accrediting groups.

### HONOR ROLL

A full-time undergraduate or technical student who has completed a minimum of 12 gradable credits and a GPA of 3.25 or better is placed on the Honor Roll for that semester.

### GRADUATION HONORS

With Honor overall GPA of 3.25 - 3.74  
With High Honor overall GPA of 3.75 - 4.00

### TRANSCRIPT LEVEL

Montana Technological University currently maintains and transmits four academic levels: Technical (CT), Undergraduate (UG), Post-Baccalaureate (UP), and Graduate (GR). A separate transcript is generated for coursework taken at each level.

### Thesis Credit - GPA Calculation

Thesis Credits required:  
Indust. Hygiene and Petroleum Engr. 6  
All other majors: 8

All Thesis credits are graded Pass/Fail and are excluded from the GPA.

### TO TEST FOR AUTHENTICITY:

The face of this transcript is printed on green SCRIP-SAFE® paper with the name of the institution appearing in white type over the face of the online document. Translucent globe icons must be visible when held toward a light source.

**AUTHENTICATION OF RECORDS:** A transcript is official when it bears the facsimile signature of the Registrar and seal. A black and white copy is not official. Only records of students enrolled beginning Fall Semester 1989 (Fall 1995 for College of Technology students) are generated by the automated records system. Records prior to these dates will have raised seal and stamped signature. The institution name and the word COPY appear on alternate rows as a latent image. Alterations to the transcript will result in brown stains and/or white areas. Further authentication can be obtained by calling Montana Tech @ (406) 496-4256. ALTERATION OF THIS DOCUMENT MAY BE A CRIMINAL OFFENSE! Course Descriptions and other information can be found at [www.mtech.edu](http://www.mtech.edu).

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### GRADE SYMBOLS & GRADE POINTS

Beginning September 1, 1929, degree-seeking students were required to have a number of grade points at least equal to number of credits earned. Grading system (1929-1961):

A=3 E=2 C=1 D=0

### Grading System from September 1961 to July 2005

GRADES	Quality of Work	# of Gr. Pts. / Credit
A	Excellent	4.0
B	Good	3.0
C	Average	2.0
D	Poor	1.0
F	Failed	0.0
P	Pass	0.0
I	Incomplete	0.0
W	Withdrawn	0.0
AU	Audit	0.0

### Montana Tech and Highlands College Grading System from August 2005 Forward

GRADES	Quality of Work	# of Gr. Pts. / Credit
A	Excellent	4.0
A-	3.7	
B+	3.3	
B	Good	3.0
B-	2.7	
C+	Average	2.3
C	2.0	
C-	1.7	
D+	1.3	
D	Poor	1.0
D-	0.7	
F	Failed	0.0
P	Pass	0.0
I	Incomplete	0.0
W	Withdrawn	0.0
AU	Audit	0.0
N	Continuing	0.0

### GRADE SYMBOLS

From 1969 to the summer term of 1974, with the exception of the Practical Nursing program, formal transcripts were not recorded. Faculty for each course submitted written evaluations. In the fall of 1974, a grading scale was developed and the following used until 1979. Grade status codes were used with these grades:

GRADES:	GRADE STATUS CODES:
E-High Proficiency	W-Withdrawal
G-Proficient	T-Insufficient Time to Grade
S-Competent	D-Drop
P-Needs Improvement	C-Course Complete
H-Challenge	
I-Incomplete	
R-Recycle	

In 1979, the following evaluation key was established along with the grade status codes:

GRADES:	GRADE STATUS CODES:
A-High Proficiency	OW-Official Withdrawal
B-Proficient	D-Drop
C-Competent	CC-Course Complete
D-Needs Improvement	
F-Unsatisfactory (Repeat)	
I-Incomplete	

(K)-Added in 1989 to indicate students withdrawing before the official reporting day. This was eliminated in 1994. In Fall 1990, a semester and credit system was instituted. Traditional grading was continued. The Grade status codes were eliminated. Prior to 1985, GPA's were not calculated. To determine GPA from a contact hour system, divide the total number of grade points earned by the total number of contact hours.

(Rev. 13 June, 2019)

### HIGHLANDS COLLEGE

#### NAME OF INSTITUTION

On July 1, 1969, the "Butte Vocational-Technical Center" was designated as a State Vocational-Technical Center by the Montana Legislative Assembly. On April 23, 1987, Senate Bill 39 placed governance of the Center under the Montana State Board of Regents effective July 1, 1987. On July 1, 1994, the Center became a part ("Division of Technology") of Montana Tech of the University of Montana. In January 1996, the name was changed to the College of Technology, one of the four colleges that comprised Montana Tech of The University of Montana. As of January 1, 2013 the name of the College of Technology was changed to Highlands College.

#### CALENDAR

From 1969 to summer term 1990, the school functioned on a quarter system based on contact hours. From 1990 to present - semester and credit hour system is used.

#### ACCREDITATION

Highlands College is accredited by the Northwest Association of Schools and Colleges. Initial accreditation was approved in June 1984. Many programs are accredited by specialized accrediting groups.

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Name BOWMAN, THOMAS DUKE

78-0095 ..

Dept.	No.	Title	Cr.	Gr.	Pl.	Dept.	No.	Title	Cr.	Gr.	Pl.
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E.S.	206	SECOND SEMESTER 1980-81	ENG MECH-DYN	3	B	9.0					
ENGL	421		SCI & TECH WR	3	B	9.0					
G.P.	302		ELEM OF GEOP	3	B	9.0					
WG.P.	424		PHYS OF EARTH	3	B	9.0					
GEOL	302		STRATIGRAPHY	3	D	3.0					
MATH	406		ADV ENG MATH	3	C	6.0					
SEM	18.0		18.0	45.0	2.50						
CUM	114.0		114.0	291.0	2.55						

GEOL	421	SUMMER SESSION 1981	FIELD GEOLOGY	4	B	12.0					
SEM	4.0		4.0	12.0	3.00						
CUM	118.0		118.0	303.0	2.57						
FIRST SEMESTER 1981-82											
G.P.	407		PUT THEORY	3	B	9.0					
G.P.	409		GRAV & MAG LAB	1	A	4.0					
G.P.	421		SPEC PROBLEMS	3	A	12.0					
G.P.	445		INTR EARTH SCI	3	A	12.0					
G.P.	411		SEDIMENTATION	3	B	9.0					
GEUL	423		FIELD REPORT	0	N	0.0					
PHIS	303		EL ELECTRONIC	3	C	6.0					
SEM	16.0		16.0	52.0	3.25						
CUM	134.0		134.0	355.0	2.65						

SECOND SEMESTER 1981-82	408	SEISMIC PROSP	SEISMIC PROSP	4	C	8.0					
G.P.	410		ELEC PRSP	4	A	16.0					
G.P.	424		SPEC TOPICS	3	A	12.0					
G.P.	.444		SEMINAR	1	C	2.0					
GEUL	423		FIELD REPORT	2	B	6.0					
HPER	156		BEG RACQUET	1	A	4.0					
HSS	256		PRIN OF ECON	3	C	6.0					
SEM	18.0		18.0	54.0	3.00						
CUM	152.0		152.0	409.0	2.69						



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### GRADES:

A-High Proficiency

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C-Competent

D-Needs Improvement

F-L-U-Satisfactory (Repeat)

I-Incomplete

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