



Bradley Warren Rogers

MIT ID: 928 312 190

Birthdate: 22-JUL-1981

Admitted as a Regular Student for Summer Term 2007
from AUBURN UNIVERSITY

Subject	Subject Name	Lvl	Cred	Grade
SUMMER TERM 2007 COURSE: 15 L GRADUATE STUDENT				

15.064	Engin Probability & Statistics	H	12	A
15.066	Sys Optim & Analysis: Manufact	H	12	A
15.316	Buildng & Leadng Effectv Teams	G	3	P
15.317	Organizatnl Leadership & Change	G	9	J/A
15.761	Intro Operations Management	H	9	A
ESD.60	Lean/Six Sigma Processes	G	6	A
ESD.730	Matl. Selection, Design, Econ	H	6	A

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Subject	Subject Name	Lvl	Cred	Grade
FALL TERM 2007-2008 COURSE: 15 L GRADUATE STUDENT				

15.010	Econ Analysis: Bus Decisions	H	9	A
15.277	Spec Sem in Communications	G	3	B
15.280	Communication For Managers	H	6	B
15.311	Organizational Processes	H	6	B
15.328	Spec Sem Organization Studies	H	3	B
15.515	Financial Accounting	H	9	B
15.792	Proseminar in Manufacturing	G	2	P
15.874	System Dynamics for Bus Policy	H	12	A
15.971	Spec Studies in Management	H	6	A
ESD.174	Appl Technology Energy & Envir	H	12	A

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Subject	Subject Name	Lvl	Cred	Grade
JANUARY TERM 2007-2008 COURSE: 15 L GRADUATE STUDENT				

15.994	Special Seminars in Management	G	3	P
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Subject	Subject Name	Lvl	Cred	Grade
SPRING TERM 2007-2008 COURSE: 15 L GRADUATE STUDENT				

15.401	Finance Theory I	G	9	A
15.792	Proseminar in Manufacturing	G	2	P
15.900	Strategic Management	G	9	A
15.966	Spec Studies in Management	H	6	A
ESD.163	Managing Nuclear Technology	H	12	A
ESD.166	Sustainable Energy	H	12	B
ESD.32	Product Design and Development	H	12	A

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Subject	Subject Name	Lvl	Cred	Grade
SUMMER TERM 2008 COURSE: 15 L GRADUATE STUDENT				

15.794	Research Proj in Manufacturing	H	9	P
15.THG	Thesis	H	12	J/A

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Subject	Subject Name	Lvl	Cred	Grade
FALL TERM 2008-2009 COURSE: 15 L2 GRADUATE STUDENT				

15.794	Research Proj in Manufacturing	H	9	P
15.THG	Thesis	H	15	J/A

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Subject	Subject Name	Lvl	Cred	Grade
SPRING TERM 2008-2009 COURSE: 15 L2 GRADUATE STUDENT				
15.012	Applied Macro & Intl Econ	G	6	A
15.317	Organizatnl Leadership & Change	G	3	A
15.769	Operations Strategy	H	9	A
15.990	Special Seminars in Management	G	6	A
15.THG	Thesis	H	1	A
ESD.862	Modeling Risk Dyn & Decisions	H	12	A

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05-JUN-2009 Awarded the Degree of Master of Business Administration

05-JUN-2009 Awarded the Degree of Master of Science in Engineering Systems

Graduate Cumulative GPA: 4.8 (on a 5.0 scale)

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-- No Entries Valid Below This Line --

OFFICIAL TRANSCRIPT:
Order #: AVOW:3276151ISSUED 29-OCT-2013
Page 1 of 1

Issued to

Brad Rogers

Unofficial without signature
Mary R. Callahan, Registrar*Mary R. Callahan*This transcript is printed on security paper and does not require a raised seal.
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Authentication of Transcript

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Academic Terms, Student Classification, and Courses

MIT's academic calendar has fifteen-week Fall and Spring Terms including exams, a ten-week Summer Term, and a four-week January Term.

Classification: Undergraduate students (Freshman, Sophomore, Junior, Senior) and Graduate students are matriculated in MIT degree programs; Special students, Exchange students, and Cross-registered students are not. Non-resident graduate students are working on doctoral thesis away from MIT.

Course: The student's Course (degree program) begins with a department or program code as listed below, followed by an option within the department. Undergraduate program options can indicate specialty area. Option codes used in graduate programs starting in Fall 1994 include: M, P, or A, Master's; D, Doctoral; CT, Transportation; RE, Real Estate Development; W, Joint with Woods Hole Oceanographic Institution. Freshmen are not permitted to register in a department. Transfer students generally enter as Sophomores.

Subject, Level, and Credit

Subject: Consists of a department or program code (see list below) followed by a period and a number. **Level (Lvl):** Subjects included in undergraduate cumulative record: U. Subjects included in graduate cumulative record: subject approved for (higher) graduate degree credit: H, other subject accepted for graduate degree credit: G; subject in graduate program but not accepted for graduate degree credit: N. **Credit:** A credit unit represents one hour of class (lecture/recitation), laboratory/design/fieldwork, or preparation per week for fourteen weeks. Three MIT credit units = one Semester Hour.

Explanation of Grades since 1980

A	Exceptionally good performance, demonstrating a superior understanding of the subject matter, a foundation of extensive knowledge, and a skillful use of concepts and/or materials.
B	Good performance, demonstrating capacity to use the appropriate concepts, a good understanding of the subject matter, and an ability to handle the problems and materials encountered in the subject.
C	Adequate performance, demonstrating an adequate understanding of the subject matter, an ability to handle relatively simple problems, and adequate preparation for moving on to more advanced work in the field.
D	Minimally acceptable performance, demonstrating at least partial familiarity with the subject matter and some capacity to deal with relatively simple problems, but also demonstrating deficiencies serious enough to make it inadvisable to proceed further in the field without additional work.
F	Failed.
J,U	J Satisfactory progress that term. U Progress not satisfactory that term. Final grade in same subject in a later term also covers this term (e.g., J/B or U/A).
P	Prior to Fall 1990: reflects performance at any of the levels A, B, C, or D. Fall 1990 through Summer 1992: for first-year undergraduates reflects performance at any of the levels A, B, or C; for other than freshmen reflects performance at any of the levels A, B, C, or D. Fall 1992 and after: reflects performance at any of the levels A, B, or C, with students graded on a P/D/F basis.
I	Incomplete. When work completed, final grade follows I (e.g., I/B).
O	Absent from the final examination, did not turn in the final paper or project, and/or was absent during the last two weeks of the term. Equivalent to a grade of F.
OX	Absence satisfactorily explained and excused. When work is completed final grade replaces the OX.
SA	Satisfactorily completed doctoral thesis.
S	Credit awarded for work done elsewhere.
URN	Subject in Undergraduate Research Opportunities Program taken for pay or as a volunteer rather than academic credit (the one unit shown does not count for degree credit).
VIS	Research subject taken as a non-degree visiting student.
&	Grade ending in & indicates Advanced Standing Exam (not included in GPA).
#	Grade ending in # indicates ROTC (not included in degree credit; not included in GPA after Summer 1994).
MG	Indicates grade not submitted by instructor.
IP	Indicates subject "in progress" in current term.
PE	Reflects performance at any of the levels A, B, or C, under an emergency closure.
IE	Incomplete. Indicates a portion of the subject requirements has not been fulfilled, due to a major disruption of academic activities. When work completed, final grade follows (e.g., IE/B).

Freshman Grading

Prior to Fall 1990. Freshmen graded on P/F basis with F grade not recorded on transcript. Fall 1990 to Summer 2002: Freshmen graded on P/D/F basis with non-passing D and F grades not recorded on transcript. Fall 2002 and after. Freshmen graded in their second semester on A/B/C/D/F basis with non-passing D and F grades not recorded on transcript.

Cumulative Grade Point Averages

Calculated on a 5.0 scale with A = 5, B = 4, C = 3, D = 2, F and O = 0. P, PE, SA, S, URN, MG, and IP, as well as non-passing grades in Freshman year, not included in GPA. J, U, I, IE, and OX grades not included in GPA until completed. Undergraduate Cumulative GPA includes subjects at Level U and Graduate Cumulative GPA includes subjects at Level H, G, and N, and up to a maximum of 24 units of thesis.

Department and Program Codes since 1980

1	Civil and Environmental Engineering (Civil Engineering prior to Fall 1992)
2	Mechanical Engineering
3	Materials Science and Engineering
4	Architecture
5	Chemistry
6	Electrical Engineering and Computer Science
7	Biology
8	Physics
9	Brain and Cognitive Sciences (Psychology prior to Fall 1986)
10	Chemical Engineering
11	Urban Studies and Planning
12	Earth, Atmospheric, and Planetary Sciences (Earth and Planetary Sciences prior to Fall 1984)
13	Ocean Engineering (through Spring 2007)
14	Economics
15	Management
16	Aeronautics and Astronautics
17	Political Science
18	Mathematics
19	Meteorology and Physical Oceanography (through Summer 1983) (Meteorology through Summer 1980)
20	Biological Engineering (from Fall 2006) (Applied Biological Sciences through Summer 2003) (Nutrition and Food Science prior to Fall 1985)
21	Humanities
21A	Anthropology (Anthropology/Archaeology from Summer 1989 through Summer 1996)
21F	Foreign Languages and Literatures (from Summer 1989)
21H	History (from Summer 1989)
21L	Literature (from Summer 1989)
21M	Music and Theater Arts (from Summer 1989)
21W	Writing and Humanistic Studies (Writing from Summer 1989 through Summer 1991)
22	Nuclear Science and Engineering (Nuclear Engineering through Spring 2005)
24	Linguistics and Philosophy
25	Interdisciplinary Science (to Spring 1983)
BE	Biological Engineering (through Summer 2006) (BEH Bioengineering and Environmental Health from Fall 1998 through Summer 2002; TOX Toxicology from Spring 1989 through Summer 1998)
CDO	Computation for Design and Optimization (from Fall 2005)
CMS	Comparative Media Studies (from Fall 1999)
CSB	Computational and Systems Biology (from Fall 2004)
ESD	Engineering Systems Division (from Summer 1999)
HPM	Health Policy and Management (1983-1990)
HST	Harvard-MIT Division of Health Sciences and Technology
MAS	Media Arts and Sciences (from Spring 1993)
OR	Operations Research
PEP	Professional Education Programs (ASP Advanced Study Program through Summer 2006; CAES Center for Advanced Educational Services from Spring 1996 through Summer 2003; EN Center for Advanced Engineering Study prior to 1995)
RED	Real Estate Development (from Fall 2008)
SDM	System Design and Management (from Summer 1997)
STS	Science, Technology, and Society (from Fall 1980)
TPP	Technology and Policy Program
UND	Undesignated Sophomore (not yet declared Course)

Used for subjects only: SEM Undergraduate Seminar; CTS Center for Transportation Studies; SP Special Programs; AS/MS/NS ROTC; SRE Division for Study and Research in Education; EC Edgerton Center; WGS Women's & Gender Studies. Subjects taken under a Cross-registration arrangement begin with the following school codes: BU Boston U; HA Harvard U; MC Mass College of Art and Design; SM School of Museum of Fine Arts; TU Tufts U; W Wellesley College.

Privacy

In accordance with the Family Educational Rights and Policy Act of 1974, as amended, information on this transcript may not be released to or accessed by any other party without the prior written consent of the student concerned. For questions please contact the MIT Registrar's Office, (617) 253-2658. Revised September 2011