

ROTC Programs

Air Force Reserve Officers' Training Corps

The mission of the Air Force Reserve Officers' Training Corps (AFROTC) is to produce leaders for the US Air Force and to build better citizens for America.

Year-end Enrollment in AFROTC as of June 2004

	Freshmen	Sophomores	Juniors	Seniors	Total
MIT	5	6	8	6	25
Harvard	1	0	1	3	5
Tufts	2	3	1	0	6
Wellesley	2	1	0	0	3
Total	10	10	10	9	39

Accomplishments

The academic year 2003–2004 was exceptional. Detachment 365 cadets continued to excel in all areas, most notably with striking increases in recruitment. In the junior class, five out of five applicants for pilot/navigator categorization were selected. Once again, we held New Student Orientation at Fort Devens Army Reserve Training area, and the Army Reserve provided terrific support. In October, we traveled to Peterson Air Force Base (AFB), CO, for a base visit. The cadets toured Air Force Space Command Headquarters, the Air and Space Museum, a C-130 aircraft, life support/survival equipment, and received several informative briefings, tours, and discussion sessions with Detachment 365 MIT alumni. In November, the detachment sponsored a Veterans Week Program. The week began with a tri-service Prisoner of War/Missing in Action (POW/MIA) ceremony and 24-hour vigil on the steps of the MIT Student Center. We also marched in the Boston Veterans Day Parade. In December, we had our annual dining-in with guest speaker Lt Col Danskine, an Air Force National Securities fellow at MIT.

In January, we began a new event, which will occur just before the beginning of each semester—a cadet wing command staff offsite. We stayed two nights at an Air Force recreation housing facility and completed drafts for 19 documents that defined how the wing would operate during the spring semester.

During the spring semester, we participated in several tri-service events with our Army and Navy ROTC counterparts. These included the Tri-Service Military Ball, which our detachment sponsored. Colonel Katherine Roberts from the Electronic Systems Center was the guest speaker. Other tri-service events were a war game, which we organized

and executed, a field-day sports competition, and a pass-in-review and awards ceremony.

Spring semester also saw a revamp of our field-training preparation program. Led by cadets and supervised by cadre, it received rave reviews by the participants and helped them master the skills and knowledge necessary to succeed at field training.

This past year we also brought many speakers to educate and motivate our cadets, including speakers from the MIT Sloan School of Management, the Harvard Kennedy School of Government, the Assistant to the Secretary of Defense for Nuclear and Chemical and Biological Defense Programs, a US Mission to NATO officer, and several active duty Air Force fellows, and Air Force Institute of Technology students from Tufts, Harvard, and MIT. In a very special and rare opportunity, the Secretary of the Air Force attended the Harvard commissioning, offered his thoughts, and spoke with cadets and cadre.

In extracurricular activities, we inducted seven new cadets into the Arnold Air Society and sent two cadets to the annual National Conclave. We also had nearly a third of the corps join the Flight Orientation Program. Flights were flown out of Hanscom AFB and continue to be a huge hit with the freshmen. We also organized air-refueling orientation flights out of Pease Air Base in New Hampshire. We are expanding these flights to include C-130 flights from the Rhode Island Air National Guard. Our Pershing Rifles group was also very active this year, substantially assisting the cadet wing in the war game and in our field-training search and rescue/land navigation exercise.

Recruiting and Retention

Detachment 365 has distinguished itself as a highly productive and motivated team, committed to exceeding the objectives of the Air Force ROTC mission. With its focus to recruit, train, and commission highly qualified Air Force officers, Detachment 365 has revamped nearly every activity, plan, and program to improve overall cadet wing performance and size.

In large part, our recruiting success is the result of increased presence on all four campuses and increased relations with university staff. Through fairs, expos, info sessions, advertising, and parent sessions, walk-ins have increased 53 percent from the prior year, with crosstown enrollment up 40 percent.

Most notably, the academic year culminated in an exciting two-day recruiting effort over pre-freshman weekend. After two months of coordination, Detachment 365 launched six events at MIT and three at crosstown schools with more than 114 in attendance. As a result, this time last year the detachment expected four new students, which has increased fourfold to 16.

Overall, FY2005 projections show increased percentages in corps size (up 25%), technical majors (up 13%), and minority students (up 5%). Performance and morale are also on the rise, with increased participation in physical fitness programs, high retention (98%),

high success rate for rated slots (83%), and an unprecedented number of university faculty and staff (28) actively supporting detachment efforts. All these initiatives give the detachment and ROTC great publicity on our campuses.

Staffing Changes

After an impressive Air Force career and final tour of duty here at MIT, Lt Col Darrell Keating will depart this summer.

Colonel Paul Rojko
United States Air Force

More information on the Air Force ROTC program can be found on the web at <http://web.mit.edu/afrotc/www/>.

Army Reserve Officers' Training Corps

The mission of the Army Reserve Officers' Training Corps (AROTC) is to develop, train, and commission the future officer leadership for the US Army by providing instruction and training in military science subjects, with a focus on leadership development.

We commissioned 12 officers this year, reversing a 30-year negative trend. As of March 2004, 65 students were enrolled in the AROTC program. Of those 65 students, 18 are minority (28%), and 18 are women (28%).

	Freshmen	Sophomores	Juniors	Seniors	Total
MIT	5	3	3	2	13
Harvard	4	5	5	7	21
Wellesley	1	3	1	1	6
Tufts	4	3	4	4	15
Other	4	3	1	2	10
Total	18	17	14	16	65

Budget

The overall budget is \$108,000, down from the previous budget of \$139,000 due to reorganization.

Reorganization

We initiated a reorganization with respect to our two MIT employees in September 2003. We effectively eliminated both existing positions and created one new position—senior

administrative assistant. We offered the new position to Ms. Gilardi, a 16-year veteran with the department; her new duties took effect in January 2004.

Accomplishments

Nine of twelve of our seniors who attended summer training this academic year achieved “Best Qualified” ratings—surpassing all other units nationwide. The department cadre taught 15.305 Leadership and Management, accredited by the Sloan School for the fifth consecutive year.

The department has been recognized at MIT and Harvard for leadership prowess: the department head was appointed to the Harvard College Visiting Committee on Leadership and MIT’s Working Group on Student Leadership Development. Additionally, the department head/professor of military science (PMS) serves as a freshman advisor. The department inducted president emeritus Paul Gray into the ROTC Hall of Fame.

Students and cadre actively mentor high school students; they participated in the Massachusetts State Committee of the National Honor Society (NHS) state NHS/NJHS conference by promoting MathCounts to the assembled group of 330 students and faculty advisors during the general assembly.

Harvard University has made great strides to facilitate student interest and participation in ROTC. President Summers spoke of Harvard’s close partnership with MIT during his commissioning address in Harvard Yard.

We’ve established close ties with newly formed Institute for Soldier Nanotechnologies (ISN), a nearly \$100M Army/MIT research endeavor to enhance soldier survivability. The MIT Student Chapter entered MIT’s first annual Soldier Design Competition (SDC). The ISN sponsored this contest to encourage teams of MIT students, staff, and alumni to develop innovative approaches to some of the engineering challenges faced by today’s soldiers. Two of our cadet-led teams were selected as semi-final round winners. One of our cadets won the SDC.

We’ve re-energized the MIT Student Chapter of the Society of American Military Engineers (SAME); the Student Chapter subsequently earned designation as “Distinguished” Post. Department head/PMS was selected as a Bliss Award recipient—presented for outstanding contributions to the profession by an engineering professor or instructor for outstanding contribution to military engineering education, or promoting recognition of the importance of technical leadership in the National Defense establishment.

The department was granted \$20,000 from the Class of ‘51 Alumni Sponsored Funding Opportunities for Faculty Teaching and Education Enhancement for Leadership Initiatives.

Individual Cadre Achievements

- Staff Sergeant Howell was promoted, attended airborne school, was runner-up for Supply Sergeant of the Year, and won Non-commissioned Officer (NCO) of the Year.
- Sergeant First Class Sanchez was promoted and attended the Advanced NCO Course.
- Lt Col Lee was promoted and selected to command a battalion. He was subsequently selected to become Department Head and PMS at Boston University. He departed this summer.
- Lt Col Baker was selected for the US Army War College Distance Learning Program and SAME Bliss Award recipient—presented for outstanding contributions to the profession by an engineering professor or instructor for outstanding contribution to military engineering education.

Plans for the Future

- The Army assigned five new instructors: Captain Bryan Pillai, Captain Brian Sullivan, Major Sam Peffers, Master Sergeant Ben Belcher, and sergeant first class Ray Nunweiler.
- The Army has increased our mission from 12 commissions per year to 15, with a particular focus on commissioning more officers with math, science, and engineering degrees.
- We've also been tasked to commission two nurses each year from North Shore schools (Endicott and Salem State Colleges) to help fill this critical Army-wide nurse shortfall.

Lieutenant Colonel Brian L. Baker
United States Army

More information about the Army ROTC program can be found on the web at <http://web.mit.edu/armyrotc/>.

Naval Reserve Officers Training Corps

The mission of the Naval Reserve Officers Training Corps (NROTC) program at MIT is to “develop midshipmen mentally, morally, and physically and imbue them with the highest ideals of duty and loyalty, and with the core values of honor, courage, and commitment in order to commission college graduates as naval officers who possess a basic professional background, are motivated toward careers in the naval service, and have the potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship, and government.”

At MIT, the officers and staff assigned to the Naval Science Department are committed to ensuring that every midshipman balances his or her time and energy to realize the

tremendous benefits of an MIT, Harvard, or Tufts education along with the professional development opportunities afforded by the NROTC Program.

During the 2003–2004 academic year, eight midshipmen were commissioned as ensigns. Program enrollment just prior to June commencement is presented in the table below.

Year-end Enrollment in NROTC as of June 2004

	Freshmen	Sophomores	Juniors	Seniors	Total
MIT	10	8	9	5	32
Harvard	11	6	3	2	22
Tufts	5	5	1	1	12
Total	26	19	13	8	66

The Navy’s financial assistance for MIT NROTC students totaled \$828,800 for the year. We are expecting approximately 24 new freshmen to enter the program this year.

Accomplishments

Academic year 2003–2004 was successful in many regards. Following is a summary of key accomplishments.

During the summer, all scholarship midshipmen participate in active duty training with deployed naval units. Last summer, midshipmen served aboard submarines, maritime patrol aircraft, aircraft carriers, and amphibious assault ships, to name a few. This training provides invaluable experience for their future careers as naval officers.

We completed instruction in nine Naval Science courses. These classes are convened at 7:30 am so as not to interfere with the academic schedules of the host and affiliate universities. These classes are monitored by the visiting professor of naval science at a frequency appropriate to ensure a high quality of instruction. Last year, Harvard, and this year, Tufts, instituted van transportation to and from our MIT unit for their respective students.

MIT midshipmen are involved in numerous activities throughout the year. In the fall, an annual formal ball was held to celebrate the birthdays of both the Navy and Marine Corps. Tufts midshipmen coordinated a Veterans Day ceremony, and the entire unit marched in the Veterans Day Parade in Boston. The midshipman battalion was also active in community service, including cleaning up several Cambridge parks, supporting the New England Shelter for Homeless Veterans, and hosting a Military Excellence Competition for area Naval Junior ROTC High Schools. Midshipmen participated in military excellence competitions at Villanova, Cornell, George Washington University and Holy Cross. A sailing regatta was held at the MIT sailing center in April, in which NROTC units from the entire east coast competed. A tri-service

ball was held this spring, as well. The Midshipman Battalion ended the year by hosting the Tri-Service ROTC Pass-in-Review on Berry Field. The guest speaker was Rear Admiral John Bird, US Navy (USN), Joint Forces Command J4.

The culmination of four years of training was reached on June 4, 2004, as four MIT NROTC students along with 10 other MIT ROTC cadets were commissioned as ensigns in the US Navy in a service alongside the USS Constitution at Charlestown Navy Yard. Rear Admiral John W. Townes III, USN Deputy Chief of Naval Personnel and USN Commander, Naval Personnel Command, was the guest speaker.

Staffing Changes

Our new commanding officer, Captain Robert D. Holland, reported aboard 21 July, 2003. A submarine officer by trade, he is from Shrewsbury, MA, and now resides there with his wife and youngest daughter. He also has a daughter attending the University of Pennsylvania as an NROTC senior, and another daughter attending the US Naval Academy as a rising sophomore.

Lt Ryan Eul, a nuclear power surface warfare officer, arrived January 2004 to assume the position of junior/senior class advisor and to instruct Navigation. LT Aaron Taylor, a nuclear submarine officer, reported in December 2003 to assume the duties of sophomore class advisor, as well as instructor for the weapons and engineering courses.

Chief Storekeeper Robert Campbell reported aboard in July 2003 and maintains all NROTC supply and tuition resources.

Lt Kelly Baker departed the area in December 2003 to make his transition to civilian employment. Lt Deena Disraelly completed her graduate education at MIT in June 2004, earning dual masters' degrees, and has transitioned to civilian employment. Gunnery Sergeant Juan Valdivia, the Assistant Marine Officer Instructor, departed Boston June 2004, to report for follow on orders in Okinawa, Japan.

Captain Robert D. Holland **United States Navy**

More information about the Navy ROTC program can be found the web at <http://navyrotc.mit.edu/>.