FORENSIC SCIENCE: finding opportunities in Ontario, Canada and the U.S.

Package prepared by: Michelle Chu, Career Assistant

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The Forensic Science situation

Forensic Science is a field of study that has currently become widely known and popular, mostly due to the hit show CSI, and its spin-offs CSI: Miami and CSI: New York. However, while these shows are very entertaining, real forensic science is quite different. If you are thinking of studying in this field it would be to your benefit to do some background research first. Those already immersed in forensic studies in Canada will most likely know of the present status quo concerning forensic job opportunities.

The hard and cold truth is that forensic science in Canada is limited, though this may change as the impetus from popular contemporary shows like CSI, Bones etc., and rising crime rates, make the public more aware of this investigative science. Schooling opportunities in forensic science is becoming more widespread due to demand, but employment is still a real difficulty. If you are determined to land that job opportunity in forensic science then you will need to put in a lot of active effort in your job search process.

Where and how to start off your forensic science career will depend on the individual. Perhaps you’ve already finished school, and are now looking for employment opportunities. Maybe you’re finishing high school and are deciding what to do next in terms of schooling. Whatever your situation, be aware that pursuing forensic science, especially in Canada, will require dedication and hard work. It will be up to you to learn and research as much as you can about the field your interest lies in. Hopefully this is one resource that will help you on your way, but this isn’t where you stop. Continue to keep abreast of what’s going on in the forensic science community if this field is where you plan to work in, and don’t stop with this one resource, but go on to do more research.

Useful resources on forensic science can be found in a lot of places, such as:
- the past forensic science packages from the UTM Career Centre
- online websites: associations, organizations, companies etc. (Zeno’s forensic site at http://forensic.to/forensic.html is a pretty comprehensive resource)
- print resources: books at the UTM Career Centre, information pamphlets, publications written by forensic experts etc.
- conferences and networking events: often you can talk to experts and ask them questions face to face, as well as pick up information from booths at such events
- talk to faculty, and experts in the field! (the networking binder in the UTM Career Centre may be of use)

Good luck on your foray into forensic science! The road maybe hard going but this is work that makes a real impact on society, and is worth doing.
Further Schooling Opportunities

With forensic science still being a field so new to Canada, where can you go to learn more about it? There are only a few places in Canada that have forensic science programs (the following information is from www.careercruising.com):

Post-Graduate Certificate
- **Mount Royal College** (Alberta) → *Forensic Studies* program, distance education (i.e. courses offered online)
- **Seneca College** (Ontario) → *Applied Forensic Investigative Sciences*, part-time program in collaboration with British Columbia Institute of Technology

Undergraduate Degree
- **British Columbia Institute of Technology** (British Columbia) → Forensic Investigation post-diploma programs in: *Forensic Science* (part-time only), *Computer Crime* (part-time only), *Economic Crime* (part-time), and *Crime and Intelligence Analysis* (part-time or distance education). All lead to a Bachelor of Technology.
- **Carleton University** (Ontario) → *Integrated Science – Forensic Science* program, (Honours) Bachelor of Science, 3-4 years.
- **Laurentian University** (Ontario) → *Forensic Science* program, (Honours) Bachelor of Science, 4 years.
- **Trent University** (Ontario) → *Forensic Science* program, (Honours) Bachelor of Science, 4 years.
- **University of Ontario Institute of Technology** (Ontario) → *Forensic Science* program, (Honours) Bachelor of Science, 4 years.
- **University of Toronto at Mississauga** (Ontario) → *Forensic Science* program, (Honours) Bachelor of Science, 4 years.
- **University of Windsor** (Ontario) → *Forensics and Criminology* program, (Honours) Bachelor of Arts, 4 years; & a *Forensic Science* program, (Honours) Bachelor of Forensic Science, 4 years.

Certificate
- **British Columbia Institute of Technology** (British Columbia) → Forensic Science Technology post-diploma programs: *Forensic and Investigative Accounting, Economic Crime, Forensic Science Studies, Essentials of Criminalistics, Computer Crime, Forensic Health Sciences*. All of these programs are for advanced speciality certificates, and part-time only.

Diploma
- **Saint Mary’s University** (Nova Scotia) → *Forensic Sciences* program, concurrent with an undergraduate degree program.
- **Sir Sandford Fleming College** (Ontario) → *Forensic Biotechnology* program, 2 years, it has a workplace/co-op placement.
Beyond the programs mentioned above, the odd course may pop up at different
colleges and universities. It may also be that certain programs will allow students
to specialise in a forensic aspect of that subject in later studies (e.g. an
accounting program may then have a forensic accounting unit/course/option
available).

It is up to the student to make sure what forensic science schooling they do is
recognized by the forensic science community. It is not uncommon to see
forensic science programs advertised on tv, ads, and on websites for a fee. It is
crucial that these educational institutes and the programs offered are ones that
are accepted by the scientific community, and have a reputation for producing
students who are employed in the field. With forensic science becoming a
popular subject to study there is reason to be wary of schooling opportunities that
are not reputable.

It is also possible to move into forensic science work without having a direct
degree in it. While having forensic science knowledge and education is most
likely an advantage, education in the pure science (e.g. biology instead of
forensic biology) is also sufficient. Employers are likely to have their own training
for new recruits anyhow, which is a chance to pick up a lot of those forensic
aspects.

At this point in time, Canada has no Masters or Ph.D programs for forensic
science. So if you want to pursue such forensic degrees you have a few options:

1) you can stay in Canada, and instead of a Masters and Ph.D directly in forensic
science, you may pursue a degree in the pure science you would like to
specialize in and use in forensic science work later on (e.g. biology, chemistry,
anthropology etc).

2) you can bide your time and wait until Canada does have further schooling in
forensic science. The University of Toronto at Mississauga (UTM) will probably
be the first to have a Masters program, as other universities are only just starting
up undergraduate studies in forensic science, if at all.

   UTM is slated to start a forensic science Masters program in fall of 2008, if
everything goes well. The proposed Masters is tentatively set out to be a 2 year
program, with the first year taught courses, and the last year experiential with
research in a UTM professor’s lab. Unfortunately, this is a Professional
Masters where students will not be guaranteed Teaching Assistant positions or
funding assistance. You will need to pay your own way through. (information
quoted from Dr. Martin Evison, Forensic Science Program Director and Faculty
Advisor)

3) you can do your Masters or PhD in forensic science in another country (e.g.
the United States has a lot of forensic science programs, and may provide some
help with funding. Other places, such as the U.K., will require you to pay your own way.

For the first option, you can find out about the different science programs through other resources. This can easily be done by visiting the Career Centre, checking out different university websites, etc. As for the second option of waiting for UTM to start a Masters program, you will need to talk to the forensic science program faculty for further news. It is the third option that will be discussed here.

Note: www.careercruising.com can again be used for both option 1 and 3 to find those relevant programs.

There are many possible countries you could go to for further schooling, as well as places to conduct forensic science research, but the United States will be explored below, as it is the closest to Canada.

1) You can find a list of ‘Education Opportunities’ both within and outside the United States from the American Academy of Forensic Sciences (AAFS) website. [This can be easily accessed by going to Zeno’s Forensic Site at http://forensic.to/forensic.html clicking on ‘Education’, and then the first listed website of ‘AAFS colleges/university listing’]

2) Useful information can also be found in print resources, such as directories. The following listings are from the Research Centers Directory, 33rd Edition © by Thomson Gale. While the research centers below aren’t institutions that provide courses, they are places where graduates and post-doctorates can be found. The following can give you a good idea of what kind of research is being conducted in the forensic field.

AUTOPSY

Central Michigan University – Applied Technology Conservation Genetics Laboratory (ATCG)
Department of Biology
Mount Pleasant, MI 48859
Ph: (989) 774-3377
Fax: (989) 774-3462
Email: brad.swanson@cmich.edu
http://www.cst.cmich.edu/users/swans1bj/ATCG.htm
Dr. Brad Swanson, Contact
Desc: Integral unit of Central Michigan University
Fin.Sup: Contracts
Res: Wildlife forensics, especially genetic analysis, necropsy, and species identification

The primary research interest in this lab is using genetics, such as microsatellites and DNA sequences, to answer ecological and conservation related questions. The lab focuses mainly on questions relating to estimating effective populations sizes of small
populations, what factors influence rates of loss of genetic variation, interpopulation dispersal rates, and the landscape level factors that influence interpopulation dispersal.

The ATCG Lab also performs contract work for state, federal, and non-governmental organizations involving wildlife forensics such as species identification from scat, tissue, blood, and other materials based on mitochondrial DNA sequencing, species based size separation of mitochondrial DNA PCR products, restriction enzyme analysis, sex assignment, and individual genotyping for carnivores, big game, avian species, and fish. We also provide necropsy services and species identification based on hair morphology.

FORENSIC PATHOLOGY

Case Western Reserve University- Law-Medicine Center
School of Law
11075 East Blvd.
Cleveland, OH 44106-7148
Ph: (216) 368-3304
Fax: (216) 368-2086
Email: mjml0@case.edu
http://www.law.casecenters/law_med/
Maxwell J. Mehlman, JD, Dir.
Fnd: 1954
Desc: Integral unit of Case Western Reserve University School of Law
Staff: 1 research, 7 faculty
Fin.Sup: Parent institution
Res: Health care law and policy. Also seeks to improve administration of civil and criminal justice by application of scientific methods and utilization of medicine in the legal process.
Edu: Seminars (periodically), on law and medicine.
Scholarships: Internship grants; Health law scholarships; Fellowship, to incoming law student interested in health law.
Srvcs: Health Law Clinic, providing legal services to those unable to pay.

University of North Texas Health Science Center at Fort Worth – Institute of Forensic Medicine
3500 Camp Bowie Blvd.
Forth Worth, TX 76107-2699
Ph: (817) 735-2429
Fax: (817) 735-2424
Email: lnancy@hsc.unt.edu
Stephen L. Putthoff, DO, Chm.
Fnd: 1990
Desc: Integral unit of University of North Texas Health Science Center at Fort Worth
Staff: 7 research, 15 support, 10 technical
Res: Sudden death due to cardiovascular disease, sudden infant death syndrome, gunshot wounds, blunt and sharp force injuries, and forensic aspects of mass disasters.
Rser: Criminalistics forensic laboratory
Edu: Offers forensic education for local law enforcement agencies
Mems: American Academy of Forensic Sciences; National Association of Medical Examiners

George Mason University – Biometrics and Forensics Laboratory
Department of Computer Science, MS 5A4
Fairfax, VA 22030-4444
Ph: (703) 993-1533
Fax: (703) 993-1710
Email: wechsler@cs.gmu.edu
http://cs.gmu.edu/~wechsler/FORENSIC/
Dr. Harry Wechsler, Dir.
Desc: Integral unit of George Mason University
Res: biometrics, including face recognition, contents-based image retrieval, surveillance, identification/verification, gender and ethnic classification, data compression, human studies, performance evaluation, video processing and interpretation of human activity; forensics, including processing and interpreting image data for applications related to biometrics, image enhancement, detection of characteristic landmarks, monitoring and surveillance, motion analysis and interpretation.

FORENSIC SCIENCES

Serological Research Institute (SERI)
3053 Research Dr.
Richmond, CA 94806
Ph: (510) 223-7374
Fax: (510) 222-8887
Email: bwraxall@serological.com; serimain@serological.com
http://www.serological.com/
Brian Wraxall, Contact
Fnd: 1978
Desc: Independent, nonprofit organization
Staff: 6 technical, 4 professional, 3 support, 3 other
Fin.Sup: Fees
Res: Analyzing blood and other body fluids encountered as evidence in criminal and civil matters, including genetic marker typing blood and other bodily fluid stains and new or improved methods of analysis of serological evidence.
Educ: training courses for forensic serologists
Scholarships: McLauglin Endowment/CAC Grant
Lawrence Livermore National Laboratory- Chemistry and Materials Science Directorate – Forensic Science Centre (FSC)
L-178
PO Box 808
Livermore, CA 94551
Ph: (925) 423-6772
Fax: (925) 423-9014
Email: patgrant@llnl.gov
Dr. Patrick M. Grant, Contact
Desc: Integral unit of Chemistry and Materials Science Directorate, Lawrence Livermore National Laboratory, Department of Energy; operated by the University of California
Fin. Sup: U.S. government
Res: Center specializes in detection of signatures of weapons of mass destruction, analysis of suspect illicit drugs and explosives, methods development for ultratrace analysis, analyses related to counterterrorism and national security, development of field detection kits and fieldportable equipment for on-site analyses of chemical species, and new materials synthesis for collector devices

(the following information is from email correspondence with Dr. Patrick Grant)
- The FSC isn’t an educational institution, so if there are staff working towards an advanced degree they must be affiliated in some collaborative way with formal academia. This means “the student must be accepted into an academic department (not necessarily forensic science) at some educational institution to pursue an advanced degree. [Their] advisor must then be interested in, or have already established (the usual case), a collaboration with a Livermore staff member on some project(s) of mutual interest. That must be unclassified research, not requiring a secret clearance, but US citizenship is still a big advantage for access to various facilities on-site in most instances. Unfortunately, the FSC (a small subset of this Lab) does predominantly classified stuff.”
- “The FSC is almost exclusively engaged in security-related work. Consequently, all of our staff must have security clearances, [and] you must be a US citizen to get one.”
- “For advanced degrees, I might recommend the Univ. of West Virginia. They have a good program with ties to many potential future labs for student placement.”

University of Colorado at Boulder – Institute of Arctic and Alpine Research (INSTAAR) – Laboratory for AMS Radiocarbon Research (NSRL)
450 UCB
1560 30th St.
Boulder, CO 80309-0450
Ph: (303) 492-8980
Fax: (303) 492-6388
Email: lehmans@spot.colorado.edu; Jocelyn.Turnbull@Colorado.edu
http://www.colorado.edu/INSTAAR/RadiocarbonDatingLab/
Scott Lehman Dir.
Fnd: 1990
Desc: Integral unit of Institute of Arctic and Alpine Research at the University of Colorado
Staff: 1 research, 1 scientific, 2 technical, 1 undergraduate
Fin. Sup: Parent institution, sales income, U.S. government
Res: Radiocarbon dating methods, used in atmospheric sciences, forensics, art authentication, toxicology, geology, paleontology, and archeology.
Info Off: Jocelyn Turnbull

University of New Haven – Henry C. Lee Institute of Forensic Science
300 Boston Post Rd.
West Haven, CT 06516
Ph: (203) 932-7460
Fax: (203) 931-6074
Email: aharper@ewhaven.edu
http://www.hcleeinstitute.com/
Dr. Al Harper, Exec. Dir.
Desc: Integral unit of University of New Haven
Res: Forensic sciences, focusing on DNA analysis, biological evidence, arson, crime scene analysis, and crime.
Info.Off: Misty Fitch, email: mfitch@newhaven.edu
Pers: Peter Massey, Coord., email: pmassey@newhaven.edu

Florida International University – International Forensic Research Institute (IFRI)
Department of Chemistry
University Park
Miami, FL 33199
Ph: (305) 348-6211
Fax: (305) 348-3772
Email: ifri@fiu.edu; furtonk@fiu.edu
http://www.ifri.fiu.edu
Kenneth G. Furton, PhD, Dir.
Fnd: 1997
Desc: Integral unit of Florida International University
Staff: 100 Scientific
Fin.Sup: Businesses, local government, industry
Res: Forensic Science
Mtgs: meetings
Pers: Jose R. Almirall, PhD, Assoc.Dir., email: almirall@fiu.edu

University of Central Florida – National Center for Forensic Science (NCFS)
PO Box 162367
Orlando, FL 32816-2367
Ph: (407) 823-6469
Fax: (407) 823-3162
Email: natlctr@mail.ucf.edu
http://www.ncfs.org
Carrie Whitcomb, Dir.
Fnd: 1997
Desc: Integral unit of University of Central Florida
Staff: 4 faculty, 6 research, 4 support, 2 technical, 4 graduate, 2 undergraduate, 1 visiting academic
Fin.Sup: grants, parent institution, tuition, fees, foundations
Res: Forensic science, particularly the investigation and analysis of fire and explosion debris, DNA research, and computer forensics
Rsrs: gas chromatography liquid chromatography, mass spectrometers, stable isotope ratio mass spectrometer, DNA analytical instrumentation
Educ: Symposia (annually), on fire/explosives investigation and analysis each fall; Fire Debris Analysis training (annually), for crime lab personnel; Certificate program in computer forensics
Info.Off: Dale Heideman, Dep. Dir., email: heideman@mail.ucf.edu
Tech.Trans.Off: Carl Anglesea, Coord., Cmpt.Applications, email: canglese@mail.ucf.edu
Pers: Jack Ballantyne, Ast.Dir., email: jballant@mail.ucf.edu; Michael Sigman, Assoc.Dir., email: msigman@mail.ucf.edu

Indiana University Bloomington – William R. Adams Zooarchaeology Laboratory
Student Bldg., Rm. 025
701 E Kirkwood Ave.
Bloomington, IN 47405
Ph: (812) 855-6755
Fax: (812) 855-4358
Email: scheiber@indiana.edu
http://www.indiana.edu/~zooarch/home.html
Prof. Laura L. Scheiber, Dir.
Fnd: 1945
Desc: Integral unit of Indiana University Bloomington
Ann.Res.Budget: US $5,000
Staff: 2 research, 1 graduate
Fin.Sup: Parent institution, individual gifts
Formerly: Laboratory of Comparative Osteology; Laboratory of Ethnozoology
Res: Zooarchaeology, including identification of faunal remains from archeological investigations; taphonomy research and experimental archaeology; teaching of techniques and principles of zooarchaeological identifications.
Rsrs: approximately 23,00 animal skeletons
Pubs: Papers on Zooarchaeology of Historic and Prehistoric Sites of North America
Educ: Tours for primary and secondary students
Srvc: Identification service
**Mems:** American zoo and Aquarium Association; Indiana Academy of Science, Indiana Historical Society; International Council for Archaeozoology; Society for American Archaeology.

**Lib:** Reference collection

**Subjects:** Archaeology, zoology, anatomy

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**Institute for Forensic Imaging (IFI)**
383 S Arlington Ave., Ste. 111
Indianapolis, IN 46219

**Ph:** (317) 356-0245

**Fax:** (317) 356-0227

**Email:** hblitzer@ifi-indy.org

**http://www.ifi-indy.org**

Herbert Blitzer, Exec.Dir.

**Fnd:** 1995

**Desc:** Independent, nonprofit research, and educational organization

**Ann.Res.Budget:** US $200,000

**Ann.Rev:** US $300,000

**Staff:** 2 research, 1 professional, 1 support

**Fin.Sup:** Contracts, tuition, US government, state government, local government

**Res:** Forensic imaging in the investigation of crimes

**Rsrcs:** High- and medium-resolution digital cameras, video cameras, high-performance film cameras, a studio with three-point lighting, a microscopy station, film and flat-bed scanners, print-dusting equipment, alternative light sources, light-measuring equipment, fixed surveillance system

**Pubs:** Newsletter

**Educ.:** training programs; student centered training

**Srvcs:** Training; consulting; research

**Mems:** International Association of Chiefs of police; International Association for Identification; American Academy of Forensic Sciences

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**PSYCHOLOGY, FORENSIC**

**Issac Ray Center, Inc.**
1725 W Harrison St., Ste. 110
Chicago, IL 60612

**Ph:** (312) 829-1463

**Fax:** (312) 829-1476

**Email:** jcavanau@rush.edu

**http://www.issacraycenter.com**

Dr. James L. Cavanaugh, Jr., Pres.

**Fnd:** 1978

**Desc:** Independent, nonprofit corporation, affiliated with Rush University.

**Staff:** 6 support, 1 faculty, 66 other
Fin.Sup: Fees
Res: Criminal forensic research, psychophysical research, law enforcement and violence, mental illness and forensic issues. Center also maintains five clinical programs: Mentally Disordered Offender Program, Sexual Behaviors Clinic, Tertiary Care Program for Victims and Witnesses of Violent Crime, Public Safety Evaluation Program and the Special Projects Program
Educ: Lectures, programs on workplace violence, victims assistance, and the Cook County Jail Project
Scholarships: Offers a one-year fellowship program in Psychiatry and Law for 2 or 3 graduate psychiatrists; Post Doctoral Fellowship (annually), in psychiatry and law, 2 recipients per year.
Srvcs: Offers juvenile forensic services and a witness recovery program.

Ohio State University – Criminal Justice Research Center (CJRC)
300 Bricker Hall
190 N Oval Mall
Columbus, OH 43210
Ph: (614) 292-7468
Fax: (614) 292-0855
Email: peterson.5@osu.edu; cjrc@osu.edu
http://www.sociology.ohio-state.edu/cjrc/
Ruth D. Peterson, PhD, Dir.
Fnd: 1971
Desc: Integral unit of School of Public Policy and Management at Ohio State University
Staff: 21 research, 13 faculty
Fin.Sup: Parent institution, foundations, U.S. government, state government, local government
Res: Criminal and juvenile justice research, including studies of police, prosecution and defense, courts, and corrections. Emphasizes organizational issues in criminal justice administration, policy formulation and implementation, program evaluation, and policy analysis on such topics as criminal justice planning, institutional overcrowding, evaluation of correctional programs and projects, delivery of forensic psychiatric services, criminal justice standards and goals, juvenile delinquency treatment programs, youth gangs, and evaluations of police and court systems. Serves as a forum for intellectual exchange among faculty members, researchers, graduate students, policy makers, and practitioners.
Educ: Seminars, for Program affiliates and graduate students
Srvcs: Consultation, to governmental and social agencies and citizens’ groups

University of Virginia – Institute of Law, Psychiatry and Public Policy (ILPPP)
1107 W Main St. PO Box 800660
Charlottesville, VA 22908-0660
Ph: (434) 924-5435  
Fax: (434) 924-5788  
TTY: (804) 982-4327  
Email: rjb6fl@virginia.edu  
http://www.ilppp.virginia.edu  
Richard J. Bonnie, Dir.

Fnd: 1977  
Desc: Integral unit of Health Sciences Center, University of Virginia

Ann.Res.Budget: US $900,000  
Ann.Rev: US $250,000  
Staff: 4 research, 5 legal, 3 medical, 2 administrative, 4 faculty, 2 postdoctoral, 7 graduate, 5 support  
Fin.Sup: Parent institution, foundations, individual gifts, contracts, fees, US government, state government  
Res: Interdisciplinary studies in mental health law, forensic psychiatry, and forensic psychology  
Rsrs: Forensic Evaluation Information system collects data for Forensic Evaluation statistical analysis in the state of Virginia

Pubs: Annual report; Developments in Mental Health Law (biennially).  
Educ: Professional training program; Seminars, workshops; Symposia, on forensic issues, mental health law.  
Scholarships: Fellowships; Forensic Psychiatry Fellowship

Srvc: Forensic evaluations, Consulting

(Email correspondence with Richard Bonnie)  
- “However, I do not think we have much to offer to undergraduate or recently graduated students. Our fellowships are post-doctoral. We do hire summer research assistants.”

MEDICAL JURISPRUDENCE

Forensic Sciences Foundation, Inc.  
410 N 21st St.  
Colorado Springs, CO 80904  
Ph: (719) 636-1100  
Fax: (719) 636-1993  
Email: awarren@aafs.org  
http://www.aafs.org/  
Anne H. Warren, Exec.Dir.

Fnd: 1969  
Sec: Independent, nonprofit organization affiliated with American Academy of Forensic Sciences  
Staff: 1 research, 2 support  
Fin.Sup: Foundations, industry, U.S. government  
Res: Technical and managerial aspects of forensic science, including drug abuse reporting systems and medicolegal investigation of death.
Scholarships: Acorn Grant (annually), up to $500 for forensic related research; Lucas Grant (annually), up to $2,500 for forensic related research; Student travel grant (annually), up to $600 to cover travel expenses to attend the American Academy of Forensic Sciences Annual Scientific Meeting; awarded annually based on an essay competition.

Awards: Emerging Forensic Scientist Award (annually), all expenses paid to attend the AAFS Annual Scientific Meeting, including a $75/per diem, airfare, five room nights at headquarter hotel, and plaque.

University of Kansas – Laboratory of Biological Anthropology
Fraser Hall, Rm. 622
Department of Anthropology
1415 Jayhawk Blvd.
Lawrence, KS 66045-7556
Ph: (785) 864-4103
Fax: (785) 864-5224
Email: crawford@ku.edu
http://www2.ku.edu/~lba/
Dr. Michael H. Crawford, Dir.
Fnd: 1974
Desc: Integral unit of University of Kansas, located on its Lawrence campus and operating within the Department of Anthropology
Staff: 3 research, 5 support, 1 other
Fin.Sup: Parent institution, foundations, U.S. government
Res: Cancer etiology, twin research, aging and longevity, genetic epidemiology, anthropological genetics in Saint Vincent, Hungary, Mexico, Siberia, Belize, rural and urban U.S. ethnic enclaves, dental anthropology, and forensic medicine.
Pubs: Human Biology
Srvc: DNA based analyses

(the following information is from email correspondence with Dr. Michael Crawford)
- “We have two Canadian grad students in the Ph.D. program in Biological Anthropology and Genetics.”
- “We would take paid Canadian workers--if funds were available.”
Forensic Science Job Opportunities

The Canadian reality is that work strictly employing forensic science is very limited. In terms of government labs, it’s very much centralized, with the main places being the Centre of Forensic Sciences (CFS), the Northern Regional Laboratory (NRL), and the Royal Canadian Mounted Police: Forensic Laboratory Services (RCMP: FLS). There are more choices of labs and work in the private sector of forensic science. You can see the previous 2 forensic science packages available from the UTM Career Centre for some Canadian companies involved in forensic work.

Certainly, there are a lot of opportunities in the private sector concerning biology, or more specifically work with DNA, such as paternity testing. For example, below are a few Parentage Testing Facilities in Canada (updated May 24, 2007):

- Vita-Med Laboratories
  Markham, ONT +1 877 809 1333 ext. 264

- Genetrack Biolabs Inc. / Genex Diagnositics Inc.
  Vancouver, BC +1 604 325 7282

- Molecular World, Inc
  Thunder Bay, ONT +1 807 344 7666

Note: The above labs were found from the website of what is formerly known as the American Association of Blood Banks, or now AABB at www.aabb.org. Simply go to the site, follow the link for ‘Accreditation’ > ‘Parentage Testing Accreditation Program’ > ‘AABB Accredited Parentage Testing Laboratories’. Other labs outside of Canada are also listed.

Finding those companies that will allow you to do forensic work will require searching, and also some creative thinking. One way of finding where these forensic labs are may be to look up those labs that are accredited by well known accrediting bodies. For example, the International Organization for Standardization (ISO) at www.iso.org, or the American Society of Crime Laboratory Directors/Laboratory Accreditation Board (ASCLD/LAB) at www.ascld-lab.org.

From the ASCLD/LAB website you can find a listing of all the crime laboratories that are accredited by them. As of February 17, 2007, there are 330 crime labs that are accredited by ASCLD/LAB. This list includes 180 state labs, 100 local agency labs, and 22 federal labs of the U.S. There are also 10 international labs, and 18 private labs as well. (NOTE: working in government labs could require citizenship in that country, whereas with private labs only a work permit may be needed).
International Labs accredited by ASCLD/LAB (not including the 2 CFS labs):
1. Centre for Forensic Science, Health Sciences Authority, **Singapore**
2. Department of Chemistry Malaysia Forensic Division, Petaling Jaya, **Malaysia**
3. Hong Kong Government Laboratory, **Hong Kong**
4. Hong Kong Police Force Forensic Firearms Bureau, **Hong Kong**
5. New Zealand Police Questioned Documents Sec., Wellington, **NZ**
6. New Zealand ESR Auckland Forensic Laboratory, Auckland, **NZ**
7. New Zealand ESR Wellington Forensic Laboratory, Porirua, **NZ**
8. New Zealand ESR Christchurch Forensic Laboratory, Christchurch, **NZ**

Private labs accredited by ASCLD/LAB (these are all in the U.S.):
1. Crime Scene Technologies, LLC (CST), San Diego, California
2. Serological Research Institute, Richmond, California
3. Acadiana Criminalistics Laboratory, New Iberia, Louisiana
5. Scales Biological Laboratory, Inc., Brandon, Mississippi
7. DNA Security, Inc, Burlington, North Carolina
8. Laboratory Corporation of America (LabCorp), Research Triangle, North Carolina
9. Laboratory Corporation of America Holdings DNA Identification Testing Division, Burlington, North Carolina
10. DNA Diagnostics Center – Forensic Department, Fairfield, Ohio
11. Mitotyping Technologies, LLC, State College, Pennsylvania
12. National Medical Services, Inc. Criminalistics Laboratory, Willow Grove, Pennsylvania
13. Orchid Cellmark Nashville Laboratory, Nashville, Tennessee
14. Alliance Forensics Laboratory, Inc., Fort Worth, Texas
15. Enviro-Health Systems, Inc., Accu-Chem Laboratories, Richardson, Texas
16. IDENTIGENE, Inc. Forensic Laboratory, Houston, Texas
17. Orchid Cellmark Dallas Laboratory, Dallas, Texas
18. The Bode Technology Group, Inc., Springfield, Virginia

From the summary of the ASCLD/LAB accredited labs you can see a lot of the labs are of the U.S. The United States forensic community is rather decentralized with labs all over the country. There are 302 accredited U.S. government labs (federal, state, and local) to be found across the country, with the exceptions of Delaware, Rhode Island, and South Dakota. The states with the most labs are California and Texas, both with over 30 labs. (To see the full lists of labs visit the ASCLD/LAB website [www.ascld-lab.org](http://www.ascld-lab.org)).

Another idea when searching for employment in forensic work is to look into large companies. Large companies, like accounting, financial and engineering firms, may have within them special departments that do forensic work, with the former
employing perhaps forensic accountants, and the latter dabbling in forensic engineering and crime scene reconstruction work.

If you don’t mind relocating, then other countries that are farther along in the field of forensic science will definitely have more opportunities. To give you an idea of what’s out there, the following are some opportunities that were advertised at the past 2007 American Academy of Forensic Sciences Annual Scientific Meeting:

- Orange County Sheriff-Coroner Department, Forensic Science Services; Orange County, CA  
  Hiring for: Forensic Specialist – Latent Print Examiner  
  $38,396.80 - $51,417.60 annually  
  - an entry-level position, will be trained, laboratory setting  
  - more details at [www.ocgov.com](http://www.ocgov.com)

- Palm Beach County, Sheriff’s Office; West Palm Beach, Florida  
  Anticipated Vacancy in the Forensic Biology Unit for a Forensic Scientist  
  $44,028 annually, plus an excellent benefits package  
  - must be a US citizen

- Wisconsin Department of Justice; Dane, Milwaukee  
  Hiring for: Forensic DNA Analyst – Senior level  
  - must be legally entitled to work in the United States, i.e. a citizen or national of the U.S., a lawful permanent resident, an alien authorized to work in the U.S.  
  - details at [http://www.doj.state.us/dms/jobs.asp](http://www.doj.state.us/dms/jobs.asp)

- FBI, Laboratory Division, Forensic Analysis Branch/Scientific Analysis Section, CODIS Unit; Quantico, VA  
  Hiring for: Biologist (CODIS) Auditor  
  - details at [www.fbi jobs.gov](http://www.fbi jobs.gov)
Related Job Opportunities

By reading this information package, I’d assume you’re interested in a career in forensic science. Now the question is why? What is it about forensic science that intrigues you so much? Is it the challenge? Is it how your work makes an impact on the community? Perhaps it’s the science that interests you the most, and how it can be applied to real life problems. Maybe you like the idea of being in the court environment.

It’s important to understand yourself and what it is that you want before looking for opportunities. If you have a good understanding of yourself then you can focus your search and find opportunities you might not have considered previously.

Now is where that self reflection and knowledge comes handy. If you know what it is that you want from your work and you saw you could get by pursuing forensic science, then perhaps you can look for opportunities that may not be directly in forensic science, but can give you the same things. e.g. you want to apply your science knowledge and background into solving problems related to crime. Perhaps you can work for a company that produces the kits that law enforcement uses to collect evidence and conduct scientific analyses (e.g. the FSC310 Forensic DNA textbook, ‘Forensic DNA Typing’ by John M. Butler, has a listing of ‘Suppliers of DNA analysis equipment, products, or services’ in its Appendix III). Or if you’re interested in fingerprints and other methods of human identification you can look into biometrics and their associated security solutions.

Below is a list companies that students interested in forensic science may want to consider. The list is mostly of Ontario manufacturing companies (Scott’s Ontario Manufacturers, 31st edition, 2004), but may be helpful in giving you further ideas of what and where to look further.

**Adanac Security & Specialty Services Ltd.**
Mail: PO Box 602 Stn Main, Barrie ON L4M 4V1
Location: 40 Lennox Dr, L4M 4S4
Ph: (705) 733-0055
Fax: (705) 733-0058
Email: adanacse@bconnex.net
[www.adanacsecurity.com](http://www.adanacsecurity.com)
Products: bullet resistive products, fire doors, specialty bags, tellers anti hold-up units, locks, security equipment, safes, lockers, bulletproof glass, doors

**Asterix Security Hardware International Inc.**
7045 Tranmere Dr Unit 10, Mississauga ON L5S 1M2
Ph: (905) 672-1245
Fax: (905) 672-1247
Email: asterix@attcanada.ca
www.asterixsecurity.com
Execs: Pres: David Chan  
      VP: Sam Damardic
Products:  - security devices  - vision systems  - controls: door
          - louvers  - door access systems  - hardware: door
          - locks: door  - door vision frames  - door strike: electric
Emp: 6
Est Sales: <$1 million
Yr Est: 1990

Carleton Life Support Technologies Ltd.
1200 Aerowood Dr, Mississauga ON L4W 2S7
Ph: (905) 629-3245
Fax: (905) 629-8306
http://www.carletonlifesupport.com/
Email: info@CarletonLifeSupport.com
Products: diving equipment, engineering services: design, R & D services, military
          equipment, masks: breathing
Emp: 25
Est Sales: $1-5 million
Yr Est: 1979

Can-Blast (2001) Inc.
Mail: PO Box 1222 Stn Main, North Bay ON P1B 8K4
Location: 755 Wallace Rd Unit 3
Ph: (705) 474-3431
Fax: (705) 476-7643
Email: can-blast.inc@sympatico.ca
www.can-blast.com
Products:  - explosive products  - blasting supplies
Emp: 3
Est Sales: <$1 million
Yr Est: 2001

Canadian Instrumentation & Research Ltd.
1155 Appleby Line Unit E8, Burlington ON L7L 5H9
Ph: (905) 332-1353
Fax: (905) 332-1808
Email: sales@cirl.com
www.cirl.com
Exec: Pres: Michael Failes
Products: - fibre optics - fibre optical devices - sensors
Emp: 15
Est Sales: $1-5 million
Yr Est: 1975

**E. T. I. Canada Inc.**
Mail: PO Box 900 Stn Main, North Bay ON P1B 8K2
Location: 350 Dupont Rd.
Ph: (705) 472-1300
Fax: (705) 472-3416
www.eticanada.com
Execs:
Pres/CEO: Joseph C Hunnisett
Hum Res Supvr: Lise Ellis
Products: explosive products, chemicals: industrial organic
Emp: 100
Est Sales: $10-25 million
Yr Est: 1988

**Fortran Traffic Systems Limited**
470 Midwest Rd, Scarborough ON M1P 4Y5
Ph: (416) 288-1320
Fax: (416) 288-9914
www.fortrantraffic.com
Execs:
Pres: A Lengyel
VP: Peter Lengyel
Sec: Isabel Glynn
Sls Mgr: Mike O’Neil
Purch Mgr: Ted Watkins
Emp: 50
Est Sales: $5-10 million
Yr Est: 1981
Plants: Terrebonne, QC

**Gunnebo Security Inc.**
Gunnebo has many locations across Canada, such as the one for Toronto, as below:
42 Shaft Rd., Rexdale, ON M9W 4M2
Ph: (416) 249-7241 CANADA 1-800-387-5111
Fax: (416) 249-2734
Email: toronto@gunnebosecurity.ca
Website: http://www.gunnebosecurity.ca/
Execs: Pres. Tom O’Doherty
Purch Mgr: Joan Binnie
Mktg Mgr: Steve Peck
Plant Mgr: John Vallianatos
Cont/Fin Off: Reg S Ross
Products: Safes, vaults, locks, locksmith services, door, cameras, access control system, closed circuit TV, safety deposit, digital recorders
Emp: 30
Est Sales: $1-5 million
Yr Est: 1918

IMR Powder Co. Inc.
6733 Mississauga Rd N Suite 306, Mississauga ON L5N 6J5
Ph: (905) 814-6665
Fax: (905) 814-9025
Execs: Gen Mgr: Al MacGregor
Products: - gunpowder
Emp: 13
Est Sales: $1-5 million
Head Office: Plattsburg NY United States

Ingersoll Rand Security Technologies Canada
1076 Lakeshore Rd. E., Mississauga ON L5E 1E4
Ph: (905) 403-1800
Fax: (905) 278-3258
Website: http://securitytechnologies.ingersollrand.com/
Email: IRS&SCanada@irco.com
Execs: Pres: Martin Philp
Materials Mgr: Mike Mallon
Products: door hardware, doors & frames, electronic access control, biometrics, security integration, portable security, wireless access control, security & safety consultants, solutions for: education/transportation/government facilities/retail/healthcare/ multi-family/maritime
Emp: 140
Est Sales: $10-25 million
Yr Est: 1950
Head office: Ingersoll Architectural Hardware Inc.
630 boul Dorchester O Montreal QC H3B 3K3

Kop Shop Unlimited
738 Salter Ave, Woodstock ON N4S 2P5
Ph: (519) 539-1155
Fax: (519) 539-7375  
Execs: Owner: Ivan Praught  
   Mgr: Marilyn Ditchfield  
Products:  - Police equipment & supplies   - uniforms: police  
   - belts: apparel   - helmets: policemen’s  
Emp: 6  
Est Sales: < $1 million  
Yr Est: 1992

**Lawry Shooting Sports Inc.**  
Mail: PO Box 2153 Stn Main, Caledonia ON N3W 2G6  
Location: 27 Industrial Dr  
Ph: (905) 765-3343  
Fax: (905) 765-5450  
Email: lawryss@aol.com  
www.lawryshootingsports.com  
Execs: Pres: Rick Lawry  
   Plant Mgr: Bill Burman  
   Dir: Bob Lawry  
Products:  - targets: clay  
   - explosive products  
   - shooting sports supplies  
Emp: 15  
Est Sales: $1-5 million  
Yr Est: 1973

**Med-Eng Systems Inc.**  
2400 St Laurent Blvd., Ottawa ON K1G 6C4  
Ph: (613) 739-9646  
Fax: (613) 739-4536  
Email: info@med-eng.com  
www.med-eng.com  
Execs:  
   Pres: Richard L’Abbé  
   CFO: Steve Maynes  
   VP-Sls: Vince Crupi  
   Mktg Coord: John Carson  
   Ops Mgr: Mario Demers  
Products: helmets: protective, communication equipment, protective devices, clothing:  
   safety, explosive protective accessories, prison equipment  
Emp: 150  
Est Sales: $10-25 million  
Yr Est: 1981

**Miller Technology Inc.**
1839 Seymour St RR 3, North Bay ON P1B 8G4
Ph: (705) 476-4500
Fax: (705) 476-8811
Email: admin@millertechnology.com
www.millertechnology.com
Execs:
Pres: Ron Miller
Sls/Mktg Mgr: Chad Miller
Plant Mgr: Bruce James
Controller: Mike Vidal
Hum Res Mgr: Marianne Hamilton
Sr Acent: John Richardson
Products: mining equip, explosive products, machinery: construction, test equip: machinery
Emp: 30
Est Sales: $5-10 million
Yr Est: 1979

Mirtech International Security Inc.
100 Drumlind Cir, Concord ON L4K 3E5
Ph: (905) 669-1211
Fax: (905) 669-1210
Email: sales@mirtechsecurity.com
www.mirtechsecurity.com
Execs:
Pres: Stan Green
Exec
VP: Marvin Miller
Products: security systems: commercial & installation & monitoring & maintenance, security experience, door access systems, controls: lighting, CCTV systems, control systems, electronic components, alarms, locks, turnstiles
Emp: 110
Est Sales: $25-50 million
Yr Est: 1986

Monty’s Gunsmithing Inc.
Mail: PO Box 393 Stn Main, Dryden ON P8N 2Z1
Location: 2269 Eaton-Rugby Rd Hwy 605
Ph: (807) 937-2197
Owner: Bruce Montague
Products: - firearms - firearm parts
Emp: 2
Est Sales: <$1 million
Yr Est: 1987
M.S. Security Products Ltd.
5188 Everest Dr Unit A, Mississauga, ON L4W 2R4
Ph: (905) 624-8900
Fax: (905) 624-8900
Owner: Mike Stefanae
Products: - doors: security - safes - bars: security
- metal fabricating: custom
Emp: 4
Est Sales: <$1 million
Yr Est: 1983

National Identification Systems Ltd.
PO Box 31012 RPO Molson Park, Barrie ON L4N 0B3
Ph: (905) 458-7701
Fax: (905) 458-9270
Execs: Pres: Bob Wise
Products: - photo identification systems - laminating equipment
Emp: 3
Est Sales: $1-5 million
Yr Est: 1974

Nordex Explosives Ltd.
Mail: PO Box 790 Stn Main, Kirkland Lake ON P2N 3K4
Location: Hwy 650 & Adams Mine Rd.
Ph: (705) 642-3265
Fax: (705) 642-3266
Email: nordex@onlink.net
Execs: Pres: Tim Peterson
Office Mgr/Sec-Treas: Pat Price
Gen Mgr: Jim Taylor
Plant Mgr: Joe Rozon
Products: - explosive products
Emp: 5
Est Sales: <$1 million
Yr Est: 1970

North Safety Products Inc.
26 Dansk Crt, Toronto ON M9W 5V8
Ph: (416) 675-2810
Fax: (416) 675-6898
www.northsafety.ca
Execs:
VP: Claude Roberge
Products: gloves: industrial, ear protectors, eyeglasses: safety, safety belts, safety devices,
respiratory products, protective helmets, hardware, breathing apparatus industrial, fall
protection equipment, first aid products, dermatological preparations
Emp: 40
Est Sales: $1-5 million
Yr Est: 1969

**Orica Canada Inc.**
Mail: PO Box 80, Coniston ON P0M 1M0
Location: Coniston Hydra Rd.
Ph: (705) 694-5574
Fax: (705) 694-4811
www.orica.com
Execs: Ops Mgr: Dennis Zarvie
Products: - explosives - explosive products
Emp: 14
Est Sales: $1-5 million
Parent Company: Orica Corporation, Denver CO United States

Mail: PO Box 159, Fenwick ON L0S 1C0
Location: 1350 Maple St.
Ph: (905) 892-5725
Fax: (905) 892-8185
Products: - explosive products
Emp: 15
Yr Est: 1949
Parent Co: Orica Inc., Watkins CO United States

**Savage Arms (Canada) Inc.**
Mail: PO Box 1240, Lakefield ON K0L 2H0
Location: 248 Water St.
Ph: (705) 652-8000
Fax: (705) 652-8431
www.savagearms.com
Execs: VP/Gen Mgr: Barrie King
Nat’l Sls Mgr: Ernie Barriage
Prod Mgr: Dave Myles
Controller: Diane Moloney
Materials IT Mgr: Darren Neill
Products: rifles
Emp: 70
Est Sales: $5-10 million
Yr Est: 1969
Parent Company: Savage Arms, Inc.
Westfield MA United States

**Scican- Div. of Lux & Zwingenberger Ltd.**
1440 Don Mills Rd Floor 2, Toronto ON M3B 3P9
Ph: (416) 445-1600
Fax: (416) 445-2727
www.scican.com
Products: dental equip & materials, lasers, imaging systems, sterilizing equip, disinfectants, putty, x-ray film developer, medical equip and supplies, health care products, washing equip: lab, autoclaves
Emp: 150
Est Sales: $10-25 million
Yr Est: 1956

**Scienctech Inc.**
45 Meg Dr, London ON N6E 2V2
Ph: (519) 668-0131
Fax: (519) 668-0132
Email: sales@sciencetech-inc.com
www.sciencetech-inc.com
Exec: Pres: Alexander Quaglia
    VP-Sls/Mktg: Doug Peng
    Plant Mgr: Rob Lazure
    Admin Mgr: Michelle Lazure
Products: - instruments: optical, scientific, medical
Emp: 10
Est Sales: $1-5 million
Yr Est: 1985
Plants: Concord, ON

**Smith Detection Toronto, Inc.**
1730 Aimco Blvd, Mississauga ON L4W 1V1
Ph: (905) 238-8837
Fax: (905) 238-3018
www.barringer.com
Execs:
VP-Fin: Karen Jacques
Reg Sls Mgr: Paul Kennedy
Products: instruments: geophysical, air pollution control equipment, optical appliances, sensors, detection: radiation, explosives, narcotic analysis kit
Emp: 250
Est Sales: $25-50 million
Spytech
2028 Yonge St, Toronto ON M4S 1Z9
Ph: (416) 482-8588
Fax: (416) 482-8068
Email: info@spystuff.com
www.spystuff.com
Execs: Pres: Hans School
Products:  - cameras  - microphones  - video cameras
          - transmitters: electronic  - alarms: personal
          - security devices  - surveillance cameras: night vision
          - vehicle location equipment: automatic
Emp: 6
Est Sales: $1-5 million
Yr Est: 1991

Steelgate Security Products Ltd.
7456 Tranmere Dr., Mississauga, ON L5S 1K4
Ph: (905) 677-6446
Fax: (905) 677-6460
www.steelgatesecurity.com
Owner: Charlie D. Mogus
Products: - prison equipment - steel fabricating
Emp: 10
Est Sales: $1-5 million
Yr Est: 1981

Steris Canada Inc.
6280 Northwest Dr., Mississauga, ON L4V 1J7
Ph: (905) 677-0863
Fax: (905) 677-0947
www.steris.com
Div VP: Steve Timpano
Dir Serv: Tom Henderson
Cost Supp. Mgr: Deborah Michalowski
Products: medical equipment, medical supplies, sterilizing equipment
Emp: 70
Yr Est: 1940
Parent Company: Steris Corporation
               5960 Heisley Rd. Mantor OH United States 44060
United Fire Safety Co. Ltd.
55 Sinclair Ave Unit 6, Georgetown ON L7G 4X4
Ph: (905) 877-0033
Fax: (905) 877-2787
Execs: VP: Scott Campbell
Products: - nozzles - valve components - plugs - tools - reels: hose
Emp: 4
Est Sales: < $1 million
Yr Est: 1975

Valcom Ltd. – Heat Shields Division
Mail: PO Box 603 Stn Main, Guelph ON N1H 6L3
Location: 175 Southgate Dr, N1G 3M5
Ph: (519) 824-3220
Fax: (519) 824-3411
Email: enquiries@valcom-guelph.com
www.valcom-guelph.com
Products: transformers: electronic, communication equipment: military, antennas: communication, instruments: meteorological, cable assemblies, aircraft components, marine equipment, aerospace equipment
Emp: 120
Est Sales: $25 – 50 million
Yr Est: 1969

Verifeye Technologies
70 Esna Park Dr Unit 5, Markham ON L3R 6E7
Ph: (905) 948-0015
Fax: (905) 948-0016
Email: sales@verifeye.com
www.verifeye.com
Execs: Pres: Steven Holmes
VP: John Ballantyne
Dir – Sls: Peter Salmon
Products: - cameras: CCTV
Emp: 5
Est Sales: $1-5 million
Yr Est: 1997

(from an advertisement at the past 2007 American Academy of Forensic Sciences Scientific Meeting)
SMITHGROUP
architecture engineering interiors planning
The idea is to give you somewhere to start. If you see something that you think you would want to pursue then do some research of your own! Check out the company websites, talk to employees and see if they'll do information interviews, cold-call etc. The opportunities are out there if you know how to look and what to do.
A Possible Resource: A Forensic Science Job Search Firm

There is a company that offers 'Job Placement Services' in forensic science. The following information is directly from their advertising pamphlet picked up at the past 2007 American Academy of Forensic Sciences Conference.

RON SMITH & ASSOCIATES, INC.
Job Placement Services
P.O. Box 670
Collinsville, Mississippi 39325
Toll Free: 866-TEAM RSA (832-6772)
Fax: 601-626-1122
www.ronsmithandassociates.com

- they work with “forensic agencies throughout the United States and other countries … to maintain an extensive, up-to-date database of forensic opportunities not easily located through a traditional internet job search”
- they “will maintain regular contact with each government agency that provides forensic related services to determine if they currently have any openings, or anticipate having any forensic positions vacant in the near future”
- they “will also be in contact with private forensic service providers”
- “to young potential forensic scientists when they call asking for job information, “We locate the doors for you. It is your job to get your foot in it!””
- to subscribe to the service the fees are:
  o for experienced forensic professionals
    ▪ $150 for a 6 month service subscription
    ▪ $250 for a 12 month service subscription
  o for students/recent graduates
    ▪ $150 for a 1 year service subscription

WARNINGS!
- The UTM Career Centre is in no way endorsing the use of this company’s services.
- You must validate the service for yourself, and decide if it is worthwhile. Consider things such as: what do the postings cover (e.g. geographical locations, and different fields in forensic science), if you can get a preview of the service, can you share the service with others (and so share the fee), is this information you can’t get anywhere else, how many employers are participating in this service etc.
UTM Career Centre: Resources, Services and Events

The Career Centre is an invaluable resource that all students should be aware of. Take advantage of the Centre’s resources, services and events, because these are student-fee funded. Get the most out of your time at UTM. Your classes will give you the background knowledge and theory, but don’t forget to use the Career Centre to help you get the opportunities to apply your education, or continue learning.

NOC (National Occupation Code) Binders, Information Packages
In the Career Centre library there is a large NOC binder: 211 Forensic Scientist. Of interest might also be the 411 binders, which include fields such as: intelligence, security, RCMP, police, corrections officer, private investigator, probation and parole officer etc. Also previous Career Assistants have put together 2 very useful information packages on forensic science as well. One of these packages is online (UTM Career Centre website → Explore Careers tab → Resources and Links), and the other can be photocopied upon request to a Career Assistant at the front desk.

Career Cruising
This is a great Canadian online resource (available for use only at the Career Centre). It has information on schools and programs (including the U.S. to a degree), different jobs and what they entail, professional associations etc. This package used this website in its research too.

Individual Career Counselling
Do you have questions about how to find opportunities for work, or how to apply for graduate school? Maybe you don’t know how the career development process works. Perhaps you just want to sit down and talk to an expert about your plans and sound your ideas off them. Career Counsellors can do all of that with you. They are always available by appointment to help guide you along. It could be that you know exactly what you need to do, but have trouble following through. Regularly meeting up with a Career Counsellor is a sure way to keep you accountable, and continuing to make progress.

Workshops
There are always workshops going on at the Career Centre. Some of these workshops are very specific to certain fields, and you’ll want to watch out for ones that apply to you directly. Other workshops are applicable to everyone who’s looking to apply for jobs and other schooling opportunities. No matter where your path leads you, workshops like the ‘Resume and Cover letter workshop’, or ‘Effective Interviews workshop’ will always be useful at some point in time.
Résumé and Cover Letter Critiques (& online toolkit)
So you’ve found an opportunity that you’re interested in, now it’s time to apply and grab that chance for yourself. Your first contact with employers and/or school admissions will most likely be your application, so make sure you’re making a good first impression! Here’s how:
1. Work on your résumé and cover letter before getting feedback on it. A great resource on getting your résumé and cover letter up to par is using the Career Centre’s Resume Toolkit (Find Employment tab → Job Search Tools → Resume Toolkit). You can go through all 3 steps if you’re starting from scratch, or use parts of the kit, such as looking at sample résumés and cover letters. Alternatively, you can also come in the Career Centre to go through our numerous books on résumés and cover letters, or find samples online.
2. Get your résumé and cover letter critiqued in a 30 minute individual appointment with a Career Counsellor.

Extern Program
Extern is a job exploration program. You apply through the Career Centre and will then be matched up with experts and professionals in careers that you indicate your interest in. You’ll have the opportunity to job shadow and/or conduct information interviews with them during either Reading Week or after final exams in May. This is a way to find out if you really want a career in that field, allow you to find out the real story behind the work, and start building your network!

This is by no means an exhaustive list of all the resources and services the Career Centre offers. Drop in at the Centre (SB3094) between class or when you have free time to learn more about anything from different schools and programs, to finding part-time, summer or full-time jobs, and what your career could hold.