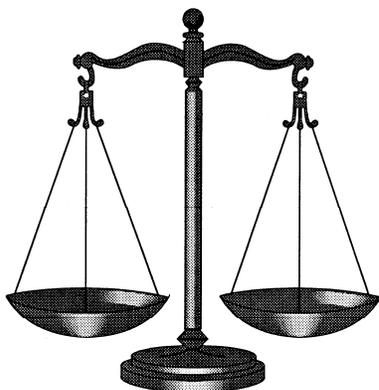


FORENSIC SCIENCE:

finding opportunities in Ontario,
Canada and the U.S.



Package prepared by: Michelle Chu, Career Assistant

July 2007

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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: mjm10@case.edu

http://www.law.case/centers/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.

Pubs: Health Matrix: The Journal of Law-Medicine.

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.

Rsrcs: 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: McLaughlin 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: mfitc@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

Rsrcs: 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.

Rsrcs: approximately 23,00 animal skeletons

Pubs: Papers on Zooarchaeology of Historic and Prehistoric Sites of North America

Educ: Tours for primary and secondary students

Srvcs: 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

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, highperformance 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

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

Pubs: Contribution to Neuropsychological Assessment: A Clinical Manual

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.

Info.Off: Howard M. Kravitz, DO, Res.Dir.

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: peterston.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: rjb6f@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

Rsrcs: 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

Srvcs: Forensic evaluations, Consulting

(the following information is from 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

Srvcs: 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 Diagnostics 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.asclid-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
4. ReliaGene Technologies, Inc., New Orleans, Louisiana
5. Scales Biological Laboratory, Inc., Brandon, Mississippi
6. Genetic Technologies, Inc., Pacific, Missouri
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.ascl-d-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 <http://agency.governmentjobs.com/oc/default.cfm>
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

- 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>

- FBI, Laboratory Division, Forensic Analysis Branch/Scientific Analysis Section, CODIS Unit; Quantico, VA
Hiring for: Biologist (CODIS) Auditor
 - details at www.fbijobs.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

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 17L 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

Products: traffic lights, control equip: electronic, cabinets: electric, signal systems: traffic

& pedestrian, signs: road, beacons, flashers: signal, brackets, hardware: pole line,

controllers: temperature, controls: lighting, monitoring systems: electrical, electronic

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-SIs: 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 Acct: 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 Drumlin 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 Stefanac

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 & Zwingerberger 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

Sciencetech 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

Yr Est: 1962

Parent Company: Smith Detection Inc.
30 Technology Dr, Warren NJ United States

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.comwww.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.comwww.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

455 N. Third Street, Suite 250
Phoenix, Arizona 85004
www.smithgroup.com
- providing architectural services since 1853, designing forensic facilities since 1983

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.