

# Key Research Findings

This analysis was based on the pre-determined criteria and measures listed below:

Section	Description	Measures
<b>Student Demand</b>	<p>Includes an assessment of OCAS (2007 - 2011) enrolment data at other colleges in terms of mean growth rate with a specific focus on Fleming's direct competitors where appropriate (Georgian, Sheridan, Seneca and Durham)</p> <p>Trends in certificate, diploma, degree, apprenticeship and continuing education (where available).</p> <p><b>Click Below to Access Full Source Document:</b>  <a href="#">Fall Enrollment Trend</a></p>	<ul style="list-style-type: none"> <li>● Strong = Fleming enrolment growth is outpacing system and is equal to or greater than 3%</li> <li>● Moderate = Fleming enrolment growth is equivalent to system demand and is between 1.0 to 2.9%</li> <li>● Weak = Fleming enrolment growth is less than the system demand and is less than 1%</li> </ul>
<b>Labour Market</b>	<p>Includes projected employment rate growth based on a consolidation of various Ontario, Canadian, and US sources including HRSDC, Sector Council Reports US Bureau of Labour Statistics, and the MTCU Employment Profile.</p>	<ul style="list-style-type: none"> <li>● Strong = Between 5-6 positive labour market indicators</li> <li>● Moderate = Between 3-5 positive labour market indicators</li> <li>● Weak = Between 1-2 or no positive labour market indicators</li> </ul>
<b>Competitive Analysis</b>	<p>Includes the number of actual colleges offering the program as well as the ratio of applications to acceptances at Fleming compared to other colleges and specific comment about Fleming's direct competitors where appropriate (Georgian, Sheridan, Seneca and Durham)</p> <p><b>Click Below to Access Full Source Document:</b>  <a href="#">Fall Conversion Report</a></p>	<ul style="list-style-type: none"> <li>● Strong = Fleming conversion ratio is greater than 2 below the system</li> <li>● Moderate = Fleming conversion ratio is 1 above, below or equal to the system</li> <li>● Weak = Fleming conversion ratio is greater than 2 above than the system</li> </ul>
<b>Financial Analysis</b>	<p>Includes a review of Contribution to Overhead (CTO) for existing programs (2010-11)</p> <p><b>Click Below to Access Full Source Document:</b>  <a href="#">Costing Analysis</a></p>	<ul style="list-style-type: none"> <li>● Strong = CTO is greater than 35%</li> <li>● Moderate = CTO is between 30 - 34%</li> <li>● Weak = CTO is between 20 – 30%</li> </ul> <p><b>No Contribution = 19% or less</b></p>

## Key Research Findings

<b>Key Performance Indicators</b>	<p>Includes KPI trends from the Key Performance Indicator Summary 5 Year Historical Overview KPI Data from Reporting Years 2008-2012.</p> <p><b>Click Below to Access Full Source Document:</b> <a href="#">Key Performance Indicators</a></p>	<ul style="list-style-type: none"><li>● Strong = Above system average in 6-7 indicators</li><li>● Moderate = Above system average in 3-5 indicators</li><li>● Weak = Above system average in 0-2 indicators.</li></ul>
<b>Resource Analysis</b>	<p>Requires school level assessment regarding space, technology, capital equipment and human resources. Recommendations from recent Program Review Reports included here</p>	

# Key Research Findings

## College Health Science Option (44700)

### Student Demand<sup>1</sup>

• **MODERATE**

The following information consists of OCAS yearly student fall registration data as well as a mean growth rate and average student registration for each program under these categories:

#### Certificate

- Twenty-four colleges offer this program, including all four of Fleming's main competitors
- Fleming has a **4%** mean growth rate, slightly lower than the system rate of **5%**
- Out of the key competitors, Georgian has the highest mean growth rate (**137%**) and Seneca has the lowest (**-5%**)
- Overall, Mohawk has the highest mean growth rate (**206%**) and St. Clair has the lowest mean growth rate (**-22%**)
- Algonquin has the highest average registration with **1061 students** and Boreal has the lowest with **14 students**

<sup>1</sup> Registration data obtained from the Program Counts by Applicant Type Report (RPT0050P) in the OCAS Reporting and Analytics Cube December 7, 2011. Some programs/colleges may not be included because they were missing MCU codes in the OCAS dataset. Prepared by Fleming Data Research (07-2012)

# Key Research Findings

## Certificate

Program: 44700 - GENERAL ARTS AND SCIENCE - ONE-YEAR														
	2007 2008 % Change (07-08)			2008 2009 % Change (08-09)			2009 2010 % Change (09-10)			2010 2011 % Change (10-11)			% Mean Growth Rate (07-11)	5 Year Average Reg. Students
ALGONQUIN	879	1033	18	1033	1072	4	1072	1124	5	1124	1195	6	8	1061
CAMBRIAN	26	20	-23	20	36	80	36	26	-28	26	32	23	13	28
CANADORE	31	47	52	47	40	-15	40	44	10	44	36	-18	7	40
CENTENNIAL	127	127	0	127	173	36	173	158	-9	158	144	-9	5	146
COLLÈGE BORÉAL	15	19	27	19	8	-58	8	8	0	8	21	163	33	14
CONESTOGA	83	69	-17	69	80	16	80	75	-6	75	93	24	4	80
CONFEDERATION	56	32	-43	32	35	9	35	40	14	40	42	5	-4	41
DURHAM	289	264	-9	264	313	19	313	347	11	347	367	6	7	316
FANSHAWE	696	639	-8	639	687	8	687	654	-5	654	674	3	-1	670
FLEMING	203	205	1	205	217	6	217	255	18	255	235	-8	4	223
GEORGE BROWN	146	155	6	155	149	-4	149	150	1	150	129	-14	-3	146
GEORGIAN	7	42	500	42	61	45	61	79	30	79	57	-28	137	49
HUMBER	352	473	34	473	442	-7	442	511	16	511	533	4	12	462
LA CITÉ COLLÉGIAL	98	98	0	98	111	13	111	81	-27	81	93	15	0	96
LAMBTON	22	20	-9	20	30	50	30	17	-43	17	18	6	1	21
LOYALIST	18				26		26	25	-4	25	27	8	2	24
MOHAWK	9	13	44	13	111	754	111	161	45	161	129	-20	206	85
NIAGARA	150	186	24	186	185	-1	185	202	9	202	157	-22	3	176
NORTHERN	24	13	-46	13	13	0	13	12	-8	12	14	17	-9	15
SAULT	34	33	-3	33	44	33	44	49	11	49	30	-39	1	38
SENECA	289	240	-17	240	261	9	261	255	-2	255	229	-10	-5	255
SHERIDAN	169	196	16	196	259	32	259	306	18	306	233	-24	11	233
ST. CLAIR	136	96	-29	96	90	-6	90	89	-1	89	43	-52	-22	91
ST. LAWRENCE	100	105	5	105	130	24	130	123	-5	123	178	45	17	127
Total	3959	4125	4	4125	4573	11	4573	4791	5	4791	4709	-2	5	4431

# Key Research Findings

## Labour Market

### • MODERATE

The College Health Science option of the General Arts and Science program is designed to prepare students for entry into college programs such as:<sup>2</sup>

- Massage Therapy
- Paramedic
- Occupational Therapist Assistant/Physiotherapist Assistant
- Practical Nursing
- Biotechnology Technologist Forensics
- Fitness and Health Promotion

## Job Possibilities<sup>3</sup>

"If you're interested in working in the health care field, you'll find many career options to explore in addition to physician and nurse. There are more than 20 regulated health professions in Ontario – from audiologists to dentists to respiratory therapists – that offer a wide range of career possibilities. Medical laboratory technologists, for example, perform laboratory investigations on samples to assist with diagnosis, while occupational therapists assist patients whose independence has been compromised to, once again, perform daily activities and roles in the community."

## Work Settings

"Regulated health professionals can practise in a wide range of settings, providing plenty of flexibility in terms of work environment. Settings include: hospitals, offices, clinics, community care centres, public health units and long-term care facilities."

## Job Prospects

"Job prospects for many allied health professionals in Ontario are excellent. Baby boomers (born between 1946 and 1964) are beginning to retire and there is a growing demand for professionals in many areas of health care."

## New Roles in Health Care

"One of the key components of the HealthForceOntario strategy involves establishing innovative new health care professional roles in areas of high need."

## New Roles for Nurses

### • Nurse Performed Flexible Sigmoidoscopy

"A registered nurse with extended specialized education in anatomy, physiology and pathophysiology who works with a physician to perform flexible sigmoidoscopies (i.e., diagnostic procedure used to screen for abnormalities in the lower third of the colon). These individuals can support Ontario's colon cancer screening initiative."

### • Surgical First Assist

"A Surgical First Assist works with the surgeon and the rest of the operating room team to ensure the safe outcome for a surgical patient before, during and after surgery. A registered nurse can perform this role with an additional certification in surgical first assistance."

<sup>2</sup> "GENERAL ARTS AND SCIENCE - COLLEGE HEALTH SCIENCE OPTION." *Fleming College*. N.p., n.d. Web. 4 July 2012. <<http://flamingcollege.ca/programs/general-arts-and-science-college-health-science-option>>.

<sup>3</sup> "HFO Jobs." *Health Force Ontario*. N.p., n.d. Web. 4 July 2012. <<http://www.healthforceontario.ca/>>.

# Key Research Findings

## New Roles for Other Health Professions

- **Physician Assistant**

The Physician Assistant (PA) in Ontario assists a supervising physician to deliver medical services within patient care teams in various settings. Under direction of the supervising physician, these services may include conducting patient interviews, medical histories, physical examinations; performing selected diagnostic or therapeutic tests and interventions; and counselling patients on preventive health care.

- **Clinical Specialist Radiation Therapist**

The Clinical Specialist Radiation Therapist (CSRT) is a medical radiation technologist (radiation therapist) with advanced clinical competencies. The CSRT works in collaboration with radiation oncologists, specialist nurses, medical physicists and other team members to ensure safe and optimal patient outcomes in radiation treatment cancer care settings. This role is designed to improve system efficiency and contribute to improved access of Ontarians to cancer care.

- **Anesthesia Assistant**

The Anesthesia Assistant participates in the care of the stable surgical patient during anesthesia, under medical directives and the supervision of the anesthesiologist. Respiratory therapists and registered nurses who successfully complete the program can work in anesthesia departments as part of an anesthesia care team.”

## Employment Ontario<sup>4</sup>

### Practical Nurses (NOC - 3233)

- Employment Ontario Rating (2009-2013):
  - **Average**
- Education and Training
  - “RPNs require a diploma in practical nursing from an Ontario College of Applied Arts and Technology, or equivalent, and must pass a national exam. These requirements may not apply to applicants who are currently fully licensed and practicing in another province or territory of Canada. Registration with the College of Nurses of Ontario (CNO) is mandatory to practice as an RPN in Ontario. The CNO may determine that some internationally educated nurses need to complete additional study for registration; bridging programs are in place at some educational institutions.”
  - “Operating room technicians are not regulated by the government of Ontario and registration with a health regulatory college is not required.”
  - “The Ontario government supports programs that can help newcomers get their license or certificate in their profession or trade so that they can work in Ontario.”

<sup>4</sup> “3233 Licensed Practical Nurses.” *Employment Ontario*. N.p., n.d. Web. 26 June 2012. <[http://www.tcu.gov.on.ca/eng/labourmarket/ojf/pdf/3233\\_e.pdf](http://www.tcu.gov.on.ca/eng/labourmarket/ojf/pdf/3233_e.pdf)>.

# Key Research Findings

- Demand
  - “Changes in employment patterns may occur as the health care system shifts from institutional to home care for people with chronic illnesses and disabling conditions in response to an increasing elderly population. A substantial number of job openings though will arise each year from the need to replace workers who retire.”
  - “The role of registered practical nurses is changing as more technology is introduced at the bedside. The growing complexity of nursing care and limiting of hospitalization to critically ill patients will place additional educational demands on the workers employed in acute care.”

## HRSDC<sup>5</sup>

### Practical Nurses (NOC - 3233)

- Job Openings (2011/2020): **162,000**
- Job Seekers(2011/2020): **128,671**
- Post Secondary Education Graduates: **73,509**
- “The majority of job seekers will come from the school system (57%) and 9% from immigration. Another 21% will change careers into this field (net mobility).”
- “As the Canadian population ages, the demand for health services will increase substantially, thus resulting in increased demand for health professionals in general. On the other hand, the number of job seekers is also expected to increase appreciably. They will come from the school system and from immigration, but will be insufficient to fill the job openings.”
- “An analysis of recent nursing school leavers showed that, although most university graduates in the field go on to become registered nurses, **a much smaller proportion of college graduates in nursing go on to become registered nurses**, whereas, in the 1990s most nursing graduates had only a college diploma. In fact, compared to a few years ago, **only half of all college graduates in nursing will actually work as nurses in the coming years**. A significant proportion of those graduates will enter occupations outside the health sector. There may be several explanations for this situation, such as the fact that it is now common for a university degree to be required for jobs in this field and the difficult working conditions (night shifts, overtime, etc.), which discourage some school leavers from entering or remaining in the occupation.”

<sup>5</sup>“Nurse Supervisors And Registered Nurses (315).” *Human Resources and Skills Development Canada*. N.p., n.d. Web. 20 June 2012. <<http://www23.hrsdc.gc.ca/.4cc.5p.1t.3onsummaryd.2tail@-eng.jsp?tid=50>>.

# Key Research Findings

## US Bureau of Labour<sup>6</sup>

- Employment Growth (2010/2020): **Increase 22%**
  - **752,300 (2010) to 920,800 (2020)**
- “As the U.S. population ages, the overall need for healthcare is expected to increase. This trend will lead to increased employment of LPNs and LVNs in hospitals, physicians' offices, and other healthcare settings. LPNs and LVNs also will be needed in residential care facilities such as nursing homes and assisted-living centers. Many procedures that once could be done only in hospitals are now being done outside of hospitals, creating demand in other settings, such as outpatient care centers.”

## Sector Council Report<sup>7</sup>

- “From 2006 to 2010 (the last five years for which data is available), the number of RNs employed in nursing in Ontario remained below the national average. In 2010, Ontario employed only 721 RNs per 100,000 people, compared to 787 RNs per 100,000 people in all of Canada. The number of RNs employed in Ontario is therefore almost 10 per cent lower than the national average.”
- “Losses in the numbers of RPNs and RNs are attributable to a variety of factors, including emigration, retirement, and leaving the nursing profession. Some of the losses in the numbers of RPNs are due to RPNs leaving the RPN role to bridge to the RN role. Between 2010 and 2011 Ontario gained 3,001 RPNs, but lost 1,751 RPNs. Over the same period, the province gained 4,136 RNs, but lost 4,181 RNs, which amounts to a net loss for the first time in five years. Although efforts made over the past five or six years to recruit and retain RNs and RPNs have been largely successful, more needs to be done to ensure an adequate number of nurses in Ontario.”
- “In the past five years, the rate of full-time employment of regulated nurses in Ontario has increased steadily, due in large part to a number of strategies aimed at meeting the Ministry of Health and Long-Term Care’s commitment to achieving a 70 percent rate of full-time employment for nurses in Ontario. Seventy percent rate is considered the optimal rate of full-time employment for Ontario’s nursing workforce. In 2007, only 61.3 percent of regulated nurses in Ontario reported working full-time, compared to 66.4 percent in 2011. In 2011, the rate of full-time employment for RPNs increased from 58.0 percent to 61.0 percent. In the same period, 67.9 percent of RNs reported their employment status as full-time, an increase of 2.4 percent from the previous year.”

<sup>6</sup>Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2012-13 Edition*, Licensed Practical and Licensed Vocational Nurses, Web. <http://www.bls.gov/ooh/healthcare/licensed-practical-and-licensed-vocational-nurses.htm>, June 26, 2012.

<sup>7</sup> “Nursing Policy.” *Registered Practical Nurses Association of Ontario*. N.p., 3 Apr. 2012. Web. 20 June 2012. <<http://www.rpnao.org/issues/nursing-policy>>.



## Key Research Findings

- “In 2011, a large percentage of RPNs (39.0 percent) employed in nursing in Ontario reported long-term care as their sector of employment, compared to 9.2 percent of RNs. In the same year, the majority of RNs (60 percent) employed in nursing in Ontario reported hospital as their sector employment, compared to 39.3 percent of RPNs. A large percentage of RNs (18.0 percent) reported working in the community sector, as did a smaller percentage of RPNs (13.9 percent).”

# Key Research Findings

## Employment Profile<sup>8</sup>

- In 2010-2011, **48.6%** of graduates were employed in a full time position which related to this program of study provincially

Nursing Related			
Total Graduates:	5,224	Total Graduates in Survey:	3,643
		Response Rate:	71.7%

594 graduates were reported after the survey window had closed. While program information for these graduates has been included wherever possible, these graduates are not included in survey results, such as response rates.

### Programs in Nursing Related

Programs	Duration	Total Grads	Total in Survey	Total in Labour Force	Colleges
Bridging To University Nursing	Post Diploma	192	133	58	Centennial, George Brown
Clinically Intensive Orientation To Nursing In Ontario	Post Diploma	4	3	3	Algonquin
Orientation To Nursing In Ontario For Practical Nurses	1 Year	5	4	3	Algonquin
Personal Support Worker	1 Year	2,088	1,478	1,279	Algonquin, Borsal, Cambrian, Canadore, Centennial, Conestoga, Confederation, Durham, Fanshawe, George Brown, Georgian, Humber, La Cité, Lambton, Loyalist, Mohawk, Niagara, Northern, Sault, Sheridan, Sir Sandford Fleming, St. Clair, St. Lawrence
Practical Nursing	2 Years	2,566	1,786	1,599	All 24 colleges
Registered Nurse – Critical Care Nursing	Post Diploma	194	116	114	Durham, George Brown, St. Lawrence
Registered Nurse – Emergency Nursing	Post Diploma	2	–	–	Georgian
Registered Nurse – Occupational Health Nursing	Post Diploma	27	22	21	St. Lawrence
Registered Nurse – Oncology Nursing	Post Diploma	6	4	4	Georgian
Registered Nurse – Operating Room	Post Diploma	49	36	35	Centennial, Fanshawe, Georgian, George Brown
Registered Nurse – Perinatal Nursing	Post Diploma	50	38	35	George Brown
Registered Practical Nurse – Administration Of Medications	Post Diploma	35	20	20	Sault
Registered Practical Nurse – Operating Room	Post Diploma	3	3	3	Fanshawe
Registered Practical Nurse – Psychiatric Nursing	Post Diploma	3	–	–	St. Lawrence

<sup>8</sup> "Employment Profile." Ontario. N.p., 2011. Web. 19 July 2012.

<<http://www.tcu.gov.on.ca/pepg/audiences/colleges/serials/eprofile09-10/profile10.pdf>>.

**Nursing Related****Summary of Survey Data**

	Program Cluster	All Programs
Survey Population	3,643	50,622
Labour Force Participation	87%	74%
Employment Rate <sup>a</sup>	88%	83%
Employed Part-time <sup>a</sup>	28%	18%
Employed Full-time <sup>a</sup>	59%	65%
Average Annual Earnings – Total	\$39,716	\$33,199
Average Annual Earnings – Female	\$39,604	\$31,897
Average Annual Earnings – Male	\$40,618	\$34,607
Graduate Satisfaction	90%	79%
Employer Satisfaction	94%	93%

a. As a percentage of graduates in the labour force.

**Graduate Outcomes for Program Cluster (as a percentage of all respondents)****Top Five Industries of Employment**

	#	%
Nursing and Residential Care Facilities	1,075	40.9%
Hospitals	686	26.1%
Ambulatory Health Care Services	326	12.4%
Social Assistance	188	7.2%
Food Services and Drinking Places	59	2.2%

**Top Five Occupational Categories**

	#	%
Licensed Practical Nurses	963	36.4%
Visiting Homemakers, Housekeepers and Related Occupations	718	27.1%
Registered Nurses	337	12.7%
Nurse Aides, Orderlies and Patient Service Associates	209	7.9%
Retail Salespersons and Sales Clerks	46	1.7%

# Key Research Findings

## Nursing Related

### Summary of Graduate Outcomes by Program

	Full-time Employed, Program Related		Full-time Employed, Program Unrelated		Part-time Employed, Program Related		Part-time Employed, Program Unrelated		Unemployed		Not in Labour Force	
	#	%	#	%	#	%	#	%	#	%	#	%
Bridging To University Nursing	20	15.0	20	15.0	10	7.5	7	5.3	1	0.8	75	56.4
Personal Support Worker	494	33.4	172	11.6	396	26.8	82	5.5	135	9.1	199	13.5
Practical Nursing	868	48.6	99	5.5	302	16.9	78	4.4	252	14.1	187	10.5
Registered Nurse – Critical Care Nursing	98	84.5	5	4.3	9	7.8	–	–	2	1.7	2	1.7
Registered Nurse – Occupational Health Nursing	15	68.2	3	13.6	2	9.1	1	4.5	–	–	1	4.5
Registered Nurse – Operating Room	20	55.6	8	22.2	5	13.9	–	–	2	5.6	1	2.8
Registered Nurse – Perinatal Nursing	33	86.8	1	2.6	–	–	–	–	1	2.6	3	7.9
Registered Practical Nurse – Administration Of Medications	17	85.0	1	5.0	1	5.0	1	5.0	–	–	–	–
<b>All Programs in Cluster*</b>	<b>1,565</b>	<b>43.1</b>	<b>309</b>	<b>8.5</b>	<b>725</b>	<b>20.0</b>	<b>169</b>	<b>4.7</b>	<b>393</b>	<b>10.8</b>	<b>468</b>	<b>12.9</b>

\* Does not include 6 programs with fewer than 5 graduates in the labour force.

### Earnings of Full-time Employed Participants

Program	Average – Females	Average – Males	Median – Females	Median – Males	Average for Program	Median for Program
Bridging To University Nursing	\$41,826	\$45,728	\$43,018	\$50,057	\$42,654	\$43,800
Personal Support Worker	\$28,965	\$31,533	\$27,782	\$31,286	\$29,298	\$28,157
Practical Nursing	\$42,416	\$44,027	\$42,868	\$45,886	\$42,595	\$43,396
Registered Nurse – Critical Care Nursing	\$63,394	\$59,290	\$60,486	\$59,742	\$63,007	\$60,486
Registered Nurse – Occupational Health Nursing	\$60,540	–	\$65,000	–	\$63,828	\$65,872
Registered Nurse – Operating Room	\$53,423	–	\$57,292	–	\$55,062	\$58,270
Registered Nurse – Perinatal Nursing	\$58,480	–	\$59,443	–	\$58,477	\$59,052
Registered Practical Nurse – Administration Of Medications	\$43,418	–	\$47,415	–	\$43,418	\$47,415
<b>All Programs in Cluster*</b>	<b>\$39,513</b>	<b>\$40,618</b>	<b>\$38,382</b>	<b>\$39,814</b>	<b>\$39,642</b>	<b>\$38,569</b>

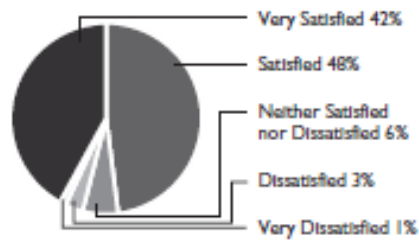
\* Does not include 6 programs with fewer than 5 graduates in the labour force.

# Key Research Findings

## Nursing Related

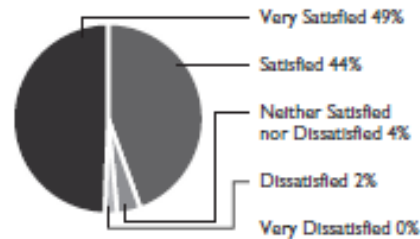
### Program Cluster Satisfaction

Graduate Satisfaction with the usefulness of his/her college education in achieving his/her goals after graduation:\*



\* 3,348 graduates participated in this question.

Employer Satisfaction with employee overall college preparation for the type of work he/she was doing:\*



\* 793 employers participated in this survey.

### Program Cluster Historical Data

	00-01 Grads	01-02 Grads	02-03 Grads	03-04 Grads	04-05 Grads	05-06 Grads	06-07 Grads	07-08 Grads	08-09 Grads	09-10 Grads
Percentage Employed	95.2%	94.4%	94.0%	92.2%	90.8%	93.2%	94.7%	94.5%	91.1%	87.6%
Percentage Employed Full-time	66.1%	66.2%	65.6%	63.5%	58.1%	60.9%	67.6%	72.6%	66.1%	59.3%
Percentage Employed Full-time Related Jobs	60.6%	60.5%	59.6%	57.9%	50.2%	52.2%	58.8%	64.7%	58.1%	49.5%
Average Annual Salary Full-time Related Jobs	\$33,487	\$36,623	\$37,104	\$39,784	\$35,416	\$36,083	\$39,059	\$42,365	\$42,269	\$41,286

# Key Research Findings

## Working in Canada<sup>9</sup>

### Practical Nurses (NOC - 3233)

- Ontario Rating: **Good**

- **Wage Range by Region:**

Location	Wage (\$/hr)		
	Low	Median	High
Ontario	18.00	24.99	30.53
Hamilton--Niagara Peninsula Region	18.00	24.07	31.25
Kingston - Pembroke Region	18.00	24.99	30.53
Kitchener--Waterloo--Barrie Region	18.00	24.71	35.00
London Region	18.00	24.99	30.53
Muskoka-Kawartha Region	18.00	24.99	30.53
Northeast Region	17.00	25.00	30.00
Northwest Region	18.00	24.99	30.53
Ottawa Region	17.49	25.00	31.11
Stratford--Bruce Peninsula Region	18.00	24.99	30.53
Toronto Region	18.33	25.00	30.00
Windsor-Sarnia Region	18.00	24.99	30.53

## Competitive Analysis<sup>10</sup>

- **MODERATE**

The following information consists of OCAS yearly fall application and registration data as well as a conversion ratio for each program under this category:

### Certificate

- Fleming's ratio was equal to the system's **(3:1)** in 2011, and the only direct competitor with a ratio that is not lower than the system is Georgian **(3:1)**
- Algonquin has had the highest number of applications but also registrations for the past 5 years
- Georgian had the best ratio in 2011 **(0:1)**, and Canadore had the lowest **(5:1)**

<sup>9</sup>"Licensed Practical Nurses (NOC 3233)." *Working in Canada*. N.p., n.d. Web. 20 June 2012.

<<http://www.workingincanada.gc.ca/reporteng.do?area=8792&lang=eng&noc=3233&action=final&ln=p@ionKeyword=Peterborough%2C+Ontario&s=2&source=3&titleKeyword=registered+practical+nurse+%28R.P.N.%29#out>>.

<sup>10</sup> Application data obtained from OCAS College Count Cube October 19, 2011 Registration data obtained from the Program Counts by Applicant Type Report (RPT0050P) in the OCAS Reporting and Analytics Cube December 7, 2011. Some programs/colleges may not be included because they were missing MCU codes in the OCAS dataset Prepared by Fleming Data Research (07-2012)

# Key Research Findings

## Certificate

Program: 44700 - GENERAL ARTS AND SCIENCE - ONE-YEAR															
	App. 2007	Reg. 2007	Conversion Ratio	App. 2008	Reg. 2008	Conversion Ratio	App. 2009	Reg. 2009	Conversion Ratio	App. 2010	Reg. 2010	Conversion Ratio	App. 2011	Reg. 2011	Conversion Ratio
ALGONQUIN	2420	879	3:1	3053	1033	3:1	3259	1072	3:1	3322	1124	3:1	3754	1195	3:1
CAMBRIAN	110	26	4:1	102	20	5:1	123	36	3:1	102	26	4:1	106	32	3:1
CANADORE	201	31	6:1	169	47	4:1	173	40	4:1	160	44	4:1	216	36	6:1
CENTENNIAL	681	127	5:1	661	127	5:1	629	173	4:1	624	158	4:1	574	144	4:1
COLLÈGE BORÉAL	51	15	3:1	52	19	3:1	42	8	5:1	37	8	5:1	39	21	2:1
CONESTOGA	353	83	4:1	321	69	5:1	296	80	4:1	256	75	3:1	274	93	3:1
CONFEDERATION	142	56	3:1	91	32	3:1	110	35	3:1	108	40	3:1	104	42	2:1
DURHAM	705	289	2:1	723	264	3:1	811	313	3:1	892	347	3:1	935	367	3:1
FANSHAWE	1645	696	2:1	1623	639	3:1	1651	687	2:1	1508	654	2:1	1545	674	2:1
FLEMING	647	203	3:1	626	205	3:1	628	217	3:1	691	255	3:1	735	235	3:1
GEORGE BROWN	679	146	5:1	640	155	4:1	675	149	5:1	640	150	4:1	614	129	5:1
GEORGIAN	3	7	0:1	13	42	0:1	16	61	0:1	9	79	0:1	7	57	0:1
HUMBER	2054	352	6:1	2172	473	5:1	2190	442	5:1	2257	511	4:1	2439	533	5:1
LA CITÉ COLLÉGIAL	165	98	2:1	248	98	3:1	254	111	2:1	199	81	2:1	190	93	2:1
LAMBTON	54	22	2:1	46	20	2:1	59	30	2:1	59	17	3:1	61	18	3:1
LOYALIST	59	18	3:1	65			72	26	3:1	64	25	3:1	87	27	3:1
MOHAWK	47	9	5:1	46	13	4:1	327	111	3:1	504	161	3:1	356	129	3:1
NIAGARA	506	150	3:1	626	186	3:1	608	185	3:1	637	202	3:1	525	157	3:1
NORTHERN	68	24	3:1	67	13	5:1	75	13	6:1	73	12	6:1	60	14	4:1
SAULT	107	34	3:1	105	33	3:1	89	44	2:1	92	49	2:1	91	30	3:1
SENECA	967	289	3:1	845	240	4:1	1209	261	5:1	849	255	3:1	791	229	3:1
SHERIDAN	678	169	4:1	681	196	3:1	887	259	3:1	1067	306	3:1	1034	233	4:1
ST. CLAIR	338	136	2:1	277	96	3:1	251	90	3:1	228	89	3:1	141	43	3:1
ST. LAWRENCE	294	100	3:1	287	105	3:1	367	130	3:1	291	123	2:1	398	178	2:1
Total	12974	3959	3:1	13539	4125	3:1	14801	4573	3:1	14669	4791	3:1	15076	4709	3:1

## Financial Analysis

• **STRONG**

Source: Program Costing Analysis 2010/2011

- Contribution to Overhead: 54.1%
- Program Weight: –
- Funding Unit: –

# Key Research Findings

## Key Performance Indicators

• **WEAK**

Source: Key Performance Indicator Summary 5 Year Historical Overview KPI Data from Reporting Years 2008-2012

KPI1-Graduation Rate	-
KPI2-Working	+8% above system
KPI3-Working Related	-6% below system
KPI4-Grad. Satisfaction	+10% above system
KPI8-Student Satisfaction-Learning	-5% below system
KPI9-Student Satisfaction- Teachers	-5% below system
KPI11-Grad. Satisfaction-Program	-2% below system

## Additional Observations and Opportunities

- Other colleges offering the College Health Science Option include courses that Fleming should consider offering, such as:
  - Computer Skills and Applications
  - Human Anatomy and Physiology
  - Physics for Health Sciences
  - Introduction to Sociology
  - Critical Thinking/Problem Solving
  - Health Care Informatics

## Resource Analysis

### Equipment

### Staffing

### Space



# Key Research Findings

## Appendix

**The following is the original environmental scan conducted by the Library Researchers to form the basis of the previous summary of Key Research Findings Report.**

General Arts & Science – College Health Science Option  
Program Research 2012

### Overview of the Program

Do you want to pursue a career in health care or forensic sciences? The General Arts and Science - College Health Science Option can help you to acquire the necessary background, improve your skills, as well as enhance your qualifications for entry into college programs in these fields.

### Labour Market

<http://www.healthforceontario.ca/> Making Ontario the employer of choice in healthcare

### Job Possibilities

If you're interested in working in the health care field, you'll find many career options to explore in addition to physician and nurse. There are more than 20 regulated health professions in Ontario – from audiologists to dentists to respiratory therapists – that offer a wide range of career possibilities. Medical laboratory technologists, for example, perform laboratory investigations on samples to assist with diagnosis, while occupational therapists assist patients whose independence has been compromised to, once again, perform daily activities and roles in the community.

### Work Settings

Regulated health professionals can practise in a wide range of settings, providing plenty of flexibility in terms of work environment. Settings include: hospitals, offices, clinics, community care centres, public health units and long-term care facilities.

Learn more about the jobs of [allied health professional](#).

### Job Prospects

Job prospects for many allied health professionals in Ontario are excellent. Baby boomers (born between 1946 and 1964) are beginning to retire and there is a growing demand for professionals in many areas of health care. Search [HFOJobs](#) for available positions.

### Evolving Role: Physician Assistant

The physician assistant (PA) is a new role that has been introduced into Ontario's health care system. The PA works within a patient care team and assists a supervising physician in delivering medical services, such as conducting patient interviews, performing selected tests, and counselling patients on preventative health care. [Learn how you can become a PA.](#)

# Key Research Findings

## New Roles in Health Care

One of the key components of the HealthForceOntario strategy involves establishing innovative new health care professional roles in areas of high need.

### New Roles for Nurses

#### Nurse Performed Flexible Sigmoidoscopy

A registered nurse with extended specialized education in anatomy, physiology and pathophysiology who works with a physician to perform flexible sigmoidoscopies (i.e., diagnostic procedure used to screen for abnormalities in the lower third of the colon). These individuals can support Ontario's colon cancer screening initiative.

#### Surgical First Assist

A Surgical First Assist works with the surgeon and the rest of the operating room team to ensure the safe outcome for a surgical patient before, during and after surgery. A registered nurse can perform this role with an additional certification in surgical first assistance.

[Registered Nurse: Surgical First Assist \(RN-SFA\) Pilot Project Update](#)

### New Roles for Other Health Professions

#### Physician Assistant

The Physician Assistant (PA) in Ontario assists a supervising physician to deliver medical services within patient care teams in various settings. Under direction of the supervising physician, these services may include conducting patient interviews, medical histories, physical examinations; performing selected diagnostic or therapeutic tests and interventions; and counselling patients on preventive health care.

[Learn more](#)

#### Clinical Specialist Radiation Therapist

The Clinical Specialist Radiation Therapist (CSRT) is a medical radiation technologist (radiation therapist) with advanced clinical competencies. The CSRT works in collaboration with radiation oncologists, specialist nurses, medical physicists and other team members to ensure safe and optimal patient outcomes in radiation treatment cancer care settings. This role is designed to improve system efficiency and contribute to improved access of Ontarians to cancer care.

#### Anesthesia Assistant

The Anesthesia Assistant participates in the care of the stable surgical patient during anesthesia, under medical directives and the supervision of the anesthesiologist. Respiratory therapists and registered nurses who successfully complete the program can work in anesthesia departments as part of an anesthesia care team.

### [Health Professions Database](#)

Health Professions Database

**HealthForceOntario** Our healthcare system relies on a range of health professionals, each with unique expertise, to meet the health needs of Ontarians. However, in the past, we did not have a good grasp on the profile of these professions. For example, we knew very little about how many people were practising in these professions, where they were working, and whether Ontario had the right combination of these professionals to meet future needs. The Health Professions Database is a significant step towards having a truly representative snapshot of Ontario's regulated healthcare workforce.

# Key Research Findings

## Educational Competitors

### Algonquin College Pre-Health Sciences

#### Pre-Health Sciences

The Pre-health program at Algonquin College prepares students to be successful in a variety of health science programs. Students explore their interests in the health science field, while developing strong study skills and earning credits which may be transferred to other college programs.

#### Ontario College Certificate

1 Year

Program Code:

1438H01FWO

Academic Year:

2011/2012

Our Program

One-Year Certificate Program

This one-year Ontario College Certificate program prepares students to be successful in a variety of health science programs. Students explore their interests in the health science field while developing strong study skills and earning credits which may be transferred to other college programs.

Graduates of this program are prepared to meet the eligibility requirements for a number of Algonquin College programs including: Practical Nursing, Veterinary Technician, Veterinary Assistant, Paramedic, Dental Assisting, Dental Hygiene, Fitness and Health Promotion, Massage Therapy, Paramedic, Pre-Service Firefighter Education and Training, Respiratory Therapy, Biotechnology Technologist, Water and Waste Water Technician, Medical Radiation Technology and Radiation Safety.

#### Pre-Health Sciences

#### Ontario College Certificate

College: CONS Program: 1214 Campus: DO Academic Year: 2011 / 2012

## About the Program

## Key Research Findings

This one-year Pre-Health Sciences Certificate Program offers two semesters of full-time study. The program curriculum is for students who wish to concentrate on the Health Sciences field. It is designed to prepare students for application to Conestoga College's School of Health Sciences Advanced Diploma or Degree programs (Respiratory Therapist, McMaster University Bachelor of Science in Nursing, Health Informatics Degree, etc). Students wishing to enter Biotechnology Technician, Dietician, Pre-Service Fire-fighter, Practical Nursing, Personal Support Worker, Paramedic, and Occupational Therapy Assistant/Physiotherapy Assistant programs are still able to do so by taking either the one-semester General Arts and Science Health Option or upon completion of this one-year Pre-Health certificate program.

Students will be introduced to the Health Sciences field, to college life and college workload, and will be able to increase their competitiveness to support their application to Health Sciences advanced diploma or degree programs.

Note:

This is an oversubscribed program.

### Conestoga College Pre-Health Sciences

Pre-Health Sciences

Ontario College Certificate

College: CONS Program: 1214 Campus: DO Academic Year: 2012 / 2013

About the Program

This one-year Pre-Health Sciences Certificate Program offers two semesters of full-time study. The program curriculum is for students who wish to concentrate on the Health Sciences field. It is designed to prepare students for application to Conestoga College's School of Health Sciences Advanced Diploma or Degree programs (Respiratory Therapist, McMaster University Bachelor of Science in Nursing, Health Informatics Degree, etc). Students wishing to enter Biotechnology Technician, Dietician, Pre-Service Fire-fighter, Practical Nursing, Personal Support Worker, Paramedic, and Occupational Therapy Assistant/Physiotherapy Assistant programs are still able to do so by taking either the one-semester General Arts and Science Health Option or upon completion of this one-year Pre-Health certificate program.

Students will be introduced to the Health Sciences field, to college life and college workload, and will be able to increase their competitiveness to support their application to Health Sciences advanced diploma or degree programs.

Note:

This is an oversubscribed program.

### Confederation College Pre-Health Sciences

1-year, Ontario College Certificate Program

## Key Research Findings

### Pre-Health Sciences

You have a strong interest in a health-care-related career, but don't meet the necessary entrance requirements. A health-care career can still happen for you!

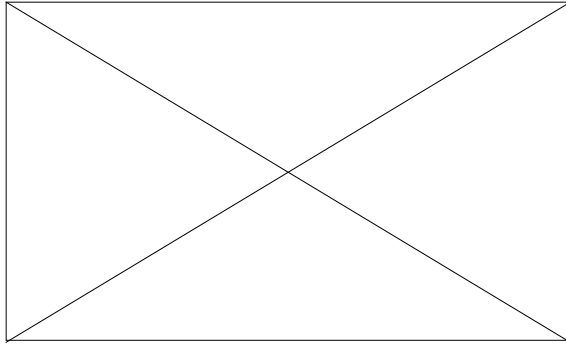


The Pre-Health Sciences program is designed to provide you with the skills and academic requirements necessary for admission into a postsecondary college or university health care program. Past graduates went on to college or university programs such as Paramedics, Medical Radiation Technology, Dental Hygiene, Practical Nursing, Bachelor of Science in Nursing, General Science and Kinesiology.

### [Fanshawe College Pre-Health Science Program](#)



## Key Research Findings



Watch Video

Pre-Health Science-2012/2013

Pre-Health Science

Program Code:

PHS1

A One-Year Ontario College Certificate Program

*Program Code: PHS1*

*Campus Code: LC (LC - London)*

*September/January Admission*

*15 week terms*

*Academic Calendars available at [www.fanshawec.ca/academicdates](http://www.fanshawec.ca/academicdates)*

*School of Health Sciences: 519-452-4207*

*Program Code: PHS1S*

*Campus Code: ST (ST - St. Thomas)*

*September Admission*

*15 week terms*

*Academic Calendars available at [www.fanshawec.ca/academicdates](http://www.fanshawec.ca/academicdates)*

*St. Thomas/Elgin Campus: 519-633-2030*

Program Description

The Pre-Health Science program provides students with the opportunity to study subject areas relevant to health career programs at Fanshawe College and to instill an appreciation of the professional roles, responsibilities and academic requirements of health care disciplines. The goal of the program is to prepare men and women for their chosen health career program.

*Academic Calendars available at [www.fanshawec.ca/academicdates](http://www.fanshawec.ca/academicdates)*

*St. Thomas/Elgin Campus: 519-633-2030*

Program Description

The Pre-Health Science program provides students with the opportunity to study subject areas relevant to health career programs at Fanshawe College and to instill an appreciation of the professional roles, responsibilities and academic requirements of health care disciplines. The goal of the program is to prepare men and women for their chosen health career program.

# Key Research Findings

## [George Brown College Pre-Health Science Program](#)

### Pre-Health Science Program (A102)

#### [Apply Now](#)

PROGRAM	Pre-Health Science Program
CODE	A102
LOCATION	St James Campus
DURATION	1 year (2 semesters)
STARTING MONTH	September, January, May
CERTIFICATION	Ontario College Certificate
YEAR OF STUDY	2012-2013
METHOD OF STUDY	FT

The Pre-Health Science program will prepare students to perform at a level that will assist them in gaining entry to a Health Sciences program at George Brown College, including Practical Nursing. It also gives students a basic understanding of social sciences and human relations, to help them relate to people at college in further studies and at work in health care institutions or with health care providers. Throughout this program, students study biology, chemistry and physics. Other courses include applied math, communications and computer literacy.

## [Georgian College Pre-Health Sciences](#)

### PRE-HEALTH SCIENCES

#### [Download the 2012-2013 program outline \(pdf\).](#)

#### Program Outline

Major: PRHS

Length: 1 Year

Delivery: 2 Semesters

Credential: Ontario College Certificate

Effective: 2011-2012

Location: Barrie, Owen Sound, Muskoka, South Georgian Bay

Start: Fall (Barrie, Muskoka, Owen Sound, South Georgian Bay)

Start: Winter (Barrie, Muskoka, Owen Sound, Orangeville)

Other:

#### [Program Fees](#)

[Program Availability](#) (ontariocolleges.ca link will require a search for PRHS)

#### Description

The one year certificate program is designed to assist students in determining which health science program will best suit their needs. It provides students with the opportunity to examine the expectations of the various health science disciplines and to assess their suitability and compatibility in relation to these expectations. Recent high school graduates or mature students wishing to return to post secondary education may wish to access this program to enrich their knowledge of health science

## Key Research Findings

related courses and also obtain necessary pre-requisites for health science related programs. The program includes courses ranging from physical and social sciences to communication and critical thinking.

### [Lambton College Pre-Health Sciences](#)

#### Pre-Health Sciences

Program Code:	PHLT
Credential Type:	Ontario College Certificate
Length:	One-Year
Intake(s):	September
Intake Status:	Open



#### PROGRAM INFORMATION

This program provides an excellent preparation for health-related programs and graduates are given extra consideration for selection into any highly competitive, health-related program at Lambton College.

The program addresses students who lack some prerequisites and those who plan to improve study skills essential to succeed in health-related college programs.

The course load is slightly lower than in most health programs with a focus on fundamentals of science, math and communications. All courses in biology and chemistry include laboratory components utilizing Lambton's multi-faceted lab facilities.

**Please note: The Pre-Health Sciences certificate does not satisfy the admission requirements to the collaborative BScN program** and also does not guarantee entrance into any program at Lambton College as we rank our applicants in highly competitive programs. Applicants who have successfully completed a pre-program at Lambton College will receive 10 bonus marks in their ranking.

Where there is intent to prepare for entry into a health-related program at other colleges, please seek advice from those colleges regarding acceptance of credits from Lambton College.

### [Loyalist College Pre-Health Science](#)

#### PREH - Pre-Health Science

Program Entry

SEPTEMBER

Program Length

One-Year Ontario College Certificate



# Key Research Findings

Contact: E-mail:

Pam Fairbank [fairbank@loyalistc.on.ca](mailto:fairbank@loyalistc.on.ca)

[Highlights](#)

[Career Opportunities](#)

[Program Description](#)

[Approximate Cost](#)

[Admission Requirements](#)

[Loyalist / University Transfer](#)

[Curriculum](#)

Highlights

Build academic skills and gain career confidence.

Take advantage of practical career guidance and personal faculty assistance.

Obtain transfer credits to other post-secondary college programs.

All credits are transferable to the two-year Arts and Science diploma at Loyalist.

## Career Opportunities

The Pre-Health Science certificate may be a bridge to college and/or university health science programs. Graduates who maintain a minimum average of 70% in the certificate program, and meet specific entrance requirements, will be eligible for admission to the Brock University/Loyalist College collaborative Nursing Degree or other university-oriented science studies.

## Program Description

High school graduates and mature students returning to school may have difficulty gaining entrance to the college health science program of their choice. The Pre-Health Science Certificate allows learners to upgrade their skills and knowledge in a higher-learning environment. The curriculum provides a solid foundation in biology, chemistry, math and communication skills that are critical to success in a health-related career.

In the second semester, students choose electives that will support either a diploma or degree orientation. All course work can be applied toward the elective requirements of a two-year diploma in General Arts and Science.

## [Mohawk College Pre-Health Certificate](#)

Pre-Health Certificate - 246

### Program overview:

START DATE: September, January

PROGRAM STATUS: Open for September 2012, Waitlisted for September 2012, Open for January 2013

SCHOOL: Interdisciplinary Studies

PROGRAM NUMBER: 246




PROGRAM LENGTH: 1 year

CAMPUS: Brantford Campus (Brantford), Fennell Campus (Hamilton)

# Key Research Findings

CO-OP OPTION: No

ACCREDITATION: Ontario College Certificate

Campus	September 2012	January 2013
BRANTFORD CAMPUS	 OPEN	
FENNELL CAMPUS	 WAITLISTED	 OPEN

## Program summary:

Mohawk College's one-year Pre-Health certificate program introduces students to the Health Sciences field, and prepares them for success in additional Health Sciences related programs. Pre-Health is offered at our Fennell Campus in Hamilton, Ontario and at our Brantford campus in Brantford, Ontario.

Students may enter with advanced standing into the General Arts & Science program.

PLEASE NOTE: If you have previous university degree credit(s), you are NOT eligible to use Pre-Health as a route to apply to the Mohawk/McMaster BScN program. Pre-Health does NOT lead to the Medical Radiation Sciences degree program.

## Read more:

[Program Description](#)

[Admission Requirements](#)

[Academic Opportunities](#)

[Program of Studies \(POS\) - Course Overview & Descriptions](#)

[Program Learning Outcomes](#)

[Contact the Program Coordinator - Fennell](#)

[Contact the Program Coordinator - Brantford](#)

## [Niagara College Pre-Health Sciences \(College\)](#)

Post Secondary

Pre-Health Sciences (College)

One Year | Ontario College Certificate

Program Code 0802

Welland Campus

After being away from high school for five years, and needing an upgrade of my science marks to get into the Paramedic Program, I found the Pre-Health Sciences College Path Program to be a perfect fit. This program is for the serious student who knows where they want to go.

Sarah Brouwer, Pre-Health Sciences (College) graduate

## Career Opportunities

## Key Research Findings

If you've set your sights on a health sciences career but lack a science background or are returning to school as a mature student, this program is an excellent bridge.

Take Pre-Health Sciences (College) to prepare for success in one of these college programs:

Biological Technician/Technologist

Dental Assistant/Dental Hygiene/Dental Technology

Massage Therapy

Medical Laboratory Technician

Occupational Therapy Assistant/Physiotherapy Assistant

Paramedic

Pharmacy Technician

Practical Nursing

Veterinary Technician/Technology

### [The NC Difference](#)

Students complete weekly labs in all science courses

Students receive up to 75 hours of lab experience

Class and lab sizes are small

Science courses use health-related examples

Top graduates are assured admission to health science programs at Niagara College

### [Northern College Pre-Health Sciences](#)

Program Title: Pre-Health Sciences Program Status: Open

Credential Earned: Ontario College Certificate Delivery: Full-Time

Program Codes: NORT - H142 (PC) Program Length: 2 Semesters

NORT - H145 (JB)

NORT - H143W (KL)

Program Description:



The Pre-Health Sciences program provides students with the opportunity to study subject areas relevant to health career programs at Northern College and affiliate partners and to instill an appreciation of the professional roles, responsibilities and academic requirements of health care disciplines. The goal of the program is to prepare men and women for their chosen health career program. **Completing both semesters of this program successfully will provide the**

# Key Research Findings

prerequisites for entry into the Bachelor of Science – Nursing, Practical Nursing, and Paramedic programs.

Admission Requirements:

Ontario Secondary School Diploma (OSSD)

Grade 12 English (C, U)

Grade 11 Math (C, M, U) (Preferably Functions and Relations or equivalent)

Or equivalent.

Note: It is strongly recommended that students entering the Pre-Health Sciences program have access to the Internet.

In this program, Biology, Chemistry and Mathematics will provide students with a solid background to satisfy the entrance requirements for Northern's Nursing Baccalaureate, RPN and Paramedic programs. Students wishing to enter into the Baccalaureate program in Nursing must have an overall GPA of 2.8 (B average) in the Pre-Health Sciences program to meet admission criteria required by university partner, Laurentian University.

Top of Form

Bottom of Form

## [St. Clair College Pre-Health Science](#)

### **Pre-Health Science**

Campus:

[South Campus - Windsor](#) (C900)

Program Length:

One Year - Ontario College Certificate

Starts:

September and January

Contact:

Cheryl Yako

(519) 972-2727 ext. 4384

[cyako@stclaircollege.ca](mailto:cyako@stclaircollege.ca)

### **ADMISSION REQUIREMENTS**

OSSD with the majority of courses at the College (C), University (U), University/College (M) or Open (O) level qualify for admission to this program.

Mature students - See [Admission Procedures](#) for details.

### **PROGRAM GOALS**

This one year certificate will help you gain the admission requirements to apply to health

# Key Research Findings

sciences programs at both the Windsor and Chatham campuses: [Dental Assisting](#), [Dental Hygiene](#), [Medical Laboratory Technician](#), [Paramedic](#), [Pharmacy Technician](#), [Practical Nursing](#) and [Veterinary Technician](#).

## [St. Lawrence College Pre-Health Sciences College](#)

Pre-Health Sciences for College **CORNWALL, KINGSTON**

Health & Science

PROGRAM HIGHLIGHTS

This stream is for students interested in a preparatory year of course work that focuses primarily on the math and science skills required for college programs related to the health sciences.

For students moving on to other St. Lawrence College programs after completing this one-year program, some of the courses completed as part of this program may transfer. For more information, please consult the appropriate program coordinator of your targeted program.

## [Sault College Pre-Health Sciences](#)

Pre-Health Sciences (3030)

1 Year - 2 Semesters    Ontario College Certificate

[Overview](#)

[Courses](#)

[What You'll Need](#)

[Books and Supplies](#)

[Other Information](#)

Program Overview

### **Quick Fact:**

For those of you who may not have the math and science requirements from high school that you need to enter your field of study, or who aren't quite sure in which area of the health field you'd like to work, our pre-health sciences program is for you.

Take this one year certificate program and explore the world of health sciences.

September and January Intakes are available for this program. Please contact the Registrar's Office for further information.

Courses in the Pre-Health Sciences program will give you excellent preparation for meeting many different admission requirements for different Health Sciences programs offered at Sault College or around the province in college or university.

## Key Research Findings

You will need to make sure that the courses you take are the right ones needed to get into the program you want to study in the future. The program coordinator and academic assistant of the School of Health Sciences at Sault College can help you choose what to study so you're sure.

Also, the elective courses you take during your Pre-Health Sciences year cannot be re-used as electives. For example, if you take PSY102-3 or SOC120-3 in your Pre-Health Sciences program, you cannot also use them for advanced credit in another college or university program. You'll need to take them again, or another course, as part of your new program.

[Program Fact Sheet](#)

### Seneca College Pre-Health Science

Pre-Health Science

**Program Code:** PHS

**Campus:** [King](#)

**Duration:** 2 semesters (1 Year)

**Start Dates:** Fall, Winter

Start dates are subject to change

**Credential Awarded:** Ontario College Certificate

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#### Program Description

The Pre-Health Science program is designed for applicants who have completed secondary school or mature students returning to school, who do not have the requisite science and mathematics courses to gain entry into a nursing program. Upon successful completion of this program, **you'll be prepared to meet the entrance requirements of a post-secondary health sciences program**. Completion of this program does not, however, automatically ensure acceptance into such programs.

### Sheridan College General Arts and Science Health Profile

General Arts and Science - Health Profile

Earn college credits while preparing for a health sciences career

Start:

[September](#) | [January](#)

Faculty:

Faculty of Humanities and Social Sciences

Program Code:

PGASH

Duration:

1 Year

Designation:

# Key Research Findings

Ontario College Certificate

Campus:

Davis Campus

Start Date:

September, January

Program Information

Career Opportunities

Admission Requirements

Courses

Sheridan's General Arts and Science – Health Profile Program is an ideal program if you know you want to work in health sciences, but are unsure which career path is right for you, or you are currently underprepared for other health sciences programs. Some of the college credits you'll earn are transferable to other Sheridan programs and possibly to programs in other colleges. Prepare for further study by gaining the necessary background knowledge in:

Biology

Chemistry

Mathematics

Anatomy and physiology

You'll also be introduced to a range of possible career paths in the health science field, college life and what the workload is like in a college-level program. There's a strong focus on academic advising to support your success.

Further Learning Opportunities

When you complete the Health Profile, you can transfer to the University Profile, apply to another health-related Sheridan program, or apply to university. The Health Profile will prepare you for further studies in the following Sheridan programs:

Practical Nursing

Pharmacy Technician

Bachelor of Applied Health Sciences in either Exercise Science and Health Promotion or Athletic Therapy

General Arts and Science – Health Profile Program is located at the Davis Campus in Brampton, Ontario.

Ministry of Training, Colleges and Universities

College

Weighting/ Funding/Degree

LAMB	1058	Pre-health Sciences	41601	Preparatory Health Sciences	1.00	1.10	1.00
LOYT	1112	Pre-health Sciences	41601	Preparatory Health Sciences	1.00	1.10	1.00
MOHA	1219	Pre-health	41601	Preparatory Health Sciences	1.00	1.10	1.00
NIAG	1180	Pre-health Sciences	41601	Preparatory Health Sciences	1.00	1.10	1.00
NORT	1207	Pre-health Sciences	41601	Preparatory Health Sciences	1.00	1.10	1.00
SAUL	1158	Pre-health Sciences	41601	Preparatory Health Sciences	1.00	1.10	1.00
SENE	1227	Pre-health Science	41601	Preparatory Health Sciences	1.00	1.10	1.00
SLAW	1184	Pre-health Science	41601	Preparatory Health Sciences	1.00	1.10	1.00

## Key Research Findings

SSFL	1188	Preparatory Health Science	41601	Preparatory Health Sciences	1.00	1.10	1.00
STCL	1170	Pre-health Sciences	41601	Preparatory Health Sciences	1.00	1.10	1.00