

Key Research Findings

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

Section	Description	Measures
Student Demand	<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>Click Below to Access Full Source Document: Fall Enrollment Trend</p>	<ul style="list-style-type: none"> ● Strong = Fleming enrolment growth is outpacing system and is equal to or greater than 3% ● Moderate = Fleming enrolment growth is equivalent to system demand and is between 1.0 to 2.9% ● Weak = Fleming enrolment growth is less than the system demand and is less than 1%
Labour Market	<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"> ● Strong = Between 5-6 positive labour market indicators ● Moderate = Between 3-5 positive labour market indicators ● Weak = Between 1-2 or no positive labour market indicators
Competitive Analysis	<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>Click Below to Access Full Source Document: Fall Conversion Report</p>	<ul style="list-style-type: none"> ● Strong = Fleming conversion ratio is greater than 2 below the system ● Moderate = Fleming conversion ratio is 1 above, below or equal to the system ● Weak = Fleming conversion ratio is greater than 2 above than the system
Financial Analysis	<p>Includes a review of Contribution to Overhead (CTO) for existing programs (2010-11)</p> <p>Click Below to Access Full Source Document: Costing Analysis</p>	<ul style="list-style-type: none"> ● Strong = CTO is greater than 35% ● Moderate = CTO is between 30 - 34% ● Weak = CTO is between 20 – 30% <p>No Contribution = 19% or less</p>

Key Research Findings

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

Key Research Findings

University Science Preparation (44700)

Student Demand¹

• **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**

¹ 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
FANSHAW E	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	NOT APPLICABLE
----------------------	-----------------------

Competitive Analysis²	• 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)**

² 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
ALGONQUIN	2420	879	3:1	3053	1033	3:1	3259	1072	3:1	3322	1124	3:1
CAMBRIAN	110	26	4:1	102	20	5:1	123	36	3:1	102	26	4:1
CANADORE	201	31	6:1	169	47	4:1	173	40	4:1	160	44	4:1
CENTENNIAL	681	127	5:1	661	127	5:1	629	173	4:1	624	158	4:1
COLLÈGE BORÉAL	51	15	3:1	52	19	3:1	42	8	5:1	37	8	5:1
CONESTOGA	353	83	4:1	321	69	5:1	296	80	4:1	256	75	3:1
CONFEDERATION	142	56	3:1	91	32	3:1	110	35	3:1	108	40	3:1
DURHAM	705	289	2:1	723	264	3:1	811	313	3:1	892	347	3:1
FANSHAWE	1645	696	2:1	1623	639	3:1	1651	687	2:1	1508	654	2:1
FLEMING	647	203	3:1	626	205	3:1	628	217	3:1	691	255	3:1
GEORGE BROWN	679	146	5:1	640	155	4:1	675	149	5:1	640	150	4:1
GEORGIAN	3	7	0:1	13	42	0:1	16	61	0:1	9	79	0:1
HUMBER	2054	352	6:1	2172	473	5:1	2190	442	5:1	2257	511	4:1
LA CITÉ COLLÉGIAL	165	98	2:1	248	98	3:1	254	111	2:1	199	81	2:1
LAMBTON	54	22	2:1	46	20	2:1	59	30	2:1	59	17	3:1
LOYALIST	59	18	3:1	65			72	26	3:1	64	25	3:1
MOHAWK	47	9	5:1	46	13	4:1	327	111	3:1	504	161	3:1
NIAGARA	506	150	3:1	626	186	3:1	608	185	3:1	637	202	3:1
NORTHERN	68	24	3:1	67	13	5:1	75	13	6:1	73	12	6:1
SAULT	107	34	3:1	105	33	3:1	89	44	2:1	92	49	2:1
SENECA	967	289	3:1	845	240	4:1	1209	261	5:1	849	255	3:1
SHERIDAN	678	169	4:1	681	196	3:1	887	259	3:1	1067	306	3:1
ST. CLAIR	338	136	2:1	277	96	3:1	251	90	3:1	228	89	3:1
ST. LAWRENCE	294	100	3:1	287	105	3:1	367	130	3:1	291	123	2:1
Total	12974	3959	3:1	13539	4125	3:1	14801	4573	3:1	14669	4791	3:1

Financial Analysis

• **MODERATE**

Source: Program Costing Analysis 2010/2011

- Contribution to Overhead: 33.0%
- 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	+22% above system
KPI3-Working Related	-8% below system
KPI4-Grad. Satisfaction	-36% below system
KPI8-Student Satisfaction-Learning	-18% below system
KPI9-Student Satisfaction- Teachers	Even with system
KPI11-Grad. Satisfaction-Program	-5% below system

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 – University Science Preparation

Program Research 2012-06-14

Overview of the Program

“The University Science Preparation program will help you earn Grade 12 U equivalents required for entry to university or college science programs, in a supportive environment.”

Fleming College

Educational Competitors

Centennial College General Arts - University Science Preparation



Program code: 6704

School: School of Advancement

Credential: Ontario College Diploma

Program Type: Post-secondary program

Program Length: 2 years/ 4 semesters

Start Date: Fall, Winter

Location: Ashtonbee Campus

Email: gas@centennialcollege.ca

Tel: 416-289-5000, ext. 7504

- [Program Overview](#)
- [Program Outline](#)
- [Benefits](#)
- [Admission Requirements](#)
- [How To Apply](#)

THIS PROGRAM HAS BEEN SUSPENDED UNTIL FURTHER NOTICE.

In this program you will study a range of science subjects (biology and chemistry), as well as mathematics, communications and learning skills. Centennial's science programs run from one to four semesters in length, depending on your future goals.

Key Research Findings

These programs are for you if you:

- Would like to apply to a university science degree program
- Are undecided about your ultimate career goals and simply wish to explore various opportunities
- Do not possess the academic admission credentials needed to enter university
- Are unsure that university is the right choice for you

Unless I'm mistaken, I believe Fleming is the only college with this program