APPENDIX B

UNDERGRADUATE PROGRAM PROPOSAL FORM

Use this application for any new program that does not lead to licensure or preliminary or advanced study in one of the areas licensed by the State Education Department. *If the program would lead to certification as a classroom teacher*, use the "Application Form for Registration of a Teacher Education Program" *in addition to* this document. **Some new programs may also require master plan amendment (see Appendices G, K, and L).**

1. Basic Information

A.   Name of Institution: _____ SUNY Canton _____

Specify campus or other location where program will be offered, if other than the main campus: _____ N/A _____

B.   President or Chief Academic Officer: _____ Dr. Joseph L. Kennedy, President _____

NAME AND TITLE

Signature: _____   Date: _____

C.   Contact person, if different: _____ Linda D. Pellett, Interim Provost _____

NAME AND TITLE

Telephone: ___315-386-7202 _____   Fax: ___315-386-7945 _____

E-mail: ___pellett@canton.edu _____

D.   Proposed program title: ___Bachelors of Science in Veterinary Technology _____

E.   Proposed degree or other award: ___Bachelor of Science _____

F.   Proposed HEGIS Code: ___1299 _____

G.   If the program would be offered jointly with another institution, name the institution/branch below: _____ N/A _____

If the other institution is degree- granting, attach a contract or letter of agreement signed by that institution's President or CEO. If it is non-degree granting, refer to SED Memorandum to Chief Executive Officers No. 94-04 (http://www.highered.nysed.gov/ocue/ceo%20memorandum.htm).

H.   If the program would lead to New York State teacher certification:

List the intended certificate title(s): N/A
(e.g., "Childhood Education," "Technology Education")

List the intended certificate type(s): N/A
(e.g., "Initial," "Professional")

I.   If the program leads to New York State professional licensure, please specify the licensure area.
          ___Veterinary Technology_____

J.   If specialized accreditation will be sought: ___Yes_____

          Name the accrediting group: _____American Veterinary Medical Association_____

          Indicate the expected accreditation date: ___Fall 2011_____

K.   Will the program be offered off campus? (Y\N) ___No_____
L.   If this program will be offered in a format other than the traditional classroom model, specify the
          format. State any other Special Characteristics: ___No_____
M.   Explain any atypical schedule that may affect program financial aid eligibility. N/A
N.   Institutional Approval

          1. Community college: Date of approval by the local board of trustees. _____
          2. State-operated campus: Date of approval by campus governance body. September 21, 2010

2. Program Summary

Provide information solicited A-E below. For each item use as much space as necessary to provide an appropriate answer (the cells will expand as necessary with the inserted text). Draft catalog copy, if available, may be a helpful way of providing much if not all of the solicited information, particularly with regard to items D & E. Please indicate if any of the solicited information is being provided in a separate attachment.

A. Mission.

1. Summarize the proposed program's educational and career objectives and its relationship to the mission of the institution.

The proposed Bachelors of Science degree program in veterinary technology provides an advanced education opportunity to students interested in pursuing careers in the veterinary health care field. The program includes the specific course work required in our veterinary technology A.A.S. Degree program and adds upper division offerings in the sciences and applied electives to obtain the distribution hours required of a Bachelor's of Science degree. Graduates of this program will become veterinary technologists. Veterinary technicians and technologists perform the duties that are often described as that of a veterinary nurse. Although there is no separate licensing exam, the profession recognizes a distinction between the terms commensurate with the level of education and training: a 2 year program for veterinary technicians and a 4 year program for veterinary technologists. Currently there are about 20 colleges in the country that offer veterinary technology programs that culminate in a bachelor's degree.

This program will be offered in addition to our AAS degree program and is not meant to replace it. SUNY Canton's veterinary technology program has been in existence since 1978, making it one of the oldest accredited programs in NYS. Our graduates have consistently scored very high on the Veterinary Technology National Exam (VTNE) which is the credentialing exam for licensed veterinary technicians. In fact the average board passage rate for the last 5 years is 99%. Because the BS program contains the core veterinary technology classes, we anticipate expedient AVMA accreditation of the program, thus allowing graduates to take the VTNE and also attain licensure.

There have always been many placement opportunities for our graduates, whether for immediate employment or for those seeking to continue their education. Later in this document

there are references to the US Bureau of Labor Statistics Occupational Outlook Handbook, 2010-2011 which maintains that fields related to veterinary medicine are some of the fastest growing in the nation. Data from our program over the last several years show that roughly one third of our graduates find immediate employment, another third are undecided and the remaining third transfer to a baccalaureate program.

When asked, students often say that the motivation for pursuing a formal education beyond the conventional two year associate degree level is that they seek the employment opportunities that require bachelor's degree. Some students desire more advanced technical training or are looking for supervisory or managerial roles in practices, while others are looking for employment outside of private practice. Research laboratories, university centers and pharmaceutical companies who conduct biomedical research on animal models recruit veterinary technologists and technicians to manage and maintain their animal colonies. Often times these facilities require that the potential employee have at minimum a bachelor's degree. Veterinary technologists and technicians also play an ever increasing role in government agencies who oversee public health issues, food quality assurance and animal disease control programs. These federal and state agencies often seek out these animal care professionals and prefer candidates who hold a bachelors degree or higher.

The program will also serve the needs of students interested in pursuing a postgraduate degree. Students who complete this program will be eligible to apply for admission into Master's degree programs in any number of related fields such as science, education, public health or ethics. The program will also provide the pre-requisite courses for most veterinary schools. Consideration for admission to a college of veterinary medicine at minimum requires the completion of a number of science-based pre-requisite courses and typically a bachelor's degree. This program offers a separate track for these pre-veterinary students.

Regardless of the track students take, they will complete between 124 to 126 credit hours of course work. Students in the 'Management Focused' track of the BS program will take additional upper level program electives in veterinary science and biology as well as applied courses in public health issues and occupational safety. Other program electives include professional ethics and a research techniques class, both of which have been designed for the health curricula even though they have generalized prefixes (business and social science respectively). Students wishing the 'Science Focused' track will take the science based courses that are required for admission to most veterinary colleges, specifically biology, inorganic and organic chemistry, physics, biochemistry and genetics. This track fulfills the admission requirements for both the New York State College of Veterinary Medicine at Cornell University as well as those of Ross University- School of Veterinary Medicine.

The mission of SUNY Canton states "Building upon a century of commitment to academic excellence, SUNY Canton offers bachelor's degrees, associate degrees and one-year certificates responsive to the educational needs of an evolving technological society. SUNY Canton is dedicated to providing nationally and internationally recognized academic opportunities, through traditional and alternative instructional formats, in a supportive and culturally diverse environment."

The Bachelor's of Science in Veterinary Science fits this mission statement in that it is responsive to the educational needs of students who have earned an associate's degree and wish to advance in their career or seek additional training at the graduate level. Statistics support that the veterinary health care field is constantly growing and evolving and we feel that this program is a natural step in this evolution.

2. If this is a new area of instruction and the basis for this was not discussed in the campus' Mission Review Memorandum of Understanding, discuss the reasons why the proposal is now considered central to the institution's ongoing development.

SUNY Canton's Memorandum of Understanding specifically addresses the development of new baccalaureate programs in the broad fields of Management, Public Service, Health and Technology. The campus is approved to offer Bachelor of Science degrees as evidenced by our Bachelor of Science-Nursing curriculum. This program will be the campus's third BS degree.

B. Institutional Context.

1. Identify existing or projected programs of the campus in the same or related disciplines and the expected impact of the proposed program on them.

This program will not replace the existing AAS degree program in Veterinary Science Technology, rather it is designed to offer an alternative for students seeking a bachelor's degree. Students will take the same core veterinary science courses in both programs, so we feel that it will positively impact the enrollment in these classes.

This program should also increase enrollment in the classes of related programs: such as the Bachelor of Technology in Veterinary Services Management and Health Care Management, since students in the BS program will take courses in these majors such as Veterinary Practice Management I and II, Issues and Perspectives in Veterinary Medicine, Public Health Issues and Occupational Health and Safety.

2. Indicate whether this program replaces any existing program(s).

This program does not replace any other program.

3. Indicate whether it is entirely or primarily a restructuring of existing courses and resources.

This program includes the 66 credits that are required in the AAS degree in order for students to gain the fundamental knowledge of veterinary technology required by the AVMA. Most of the remaining core electives and general education requirements of the program are already currently offered at SUNY Canton. As such, this program is nearly entirely a restructuring of existing courses and resources. The program only requires the development of one new course (Biochemistry) for students in the 'Science-focused' track.

C. Learning Outcomes & Assessment.

1. Outline the programmatic goals and objectives for the program, including a list of the learning outcomes students should demonstrate upon completing the program.

Bachelor of Science in Veterinary Technology Program Goals:
1. To provide students with the fundamental knowledge to successfully pass the Veterinary Technology National Exam and demonstrate the tasks essential to a Licensed Veterinary Technician while providing the educational requirements for a veterinary technologist.
2. To provide students with a strong foundational science background coupled with communication and critical thinking skills to allow them to prepare for employment in education, government or research fields.
3. To provide a strong educational foundation to prepare students for graduate studies in biology, veterinary medicine or related fields.
4. To provide students with the necessary tools to effectively meet the needs challenging fields in veterinary science.

5. To provide students with knowledge and skills beyond that of an entry level technician in advanced nursing skills, business organization and management and current issues in veterinary science.

Program Objectives:
Graduates of the BS in VT program will:
1. Utilize knowledge gained from core veterinary technology courses to successfully complete the veterinary technology national exam and gain licensure as a veterinary technician.
2. Utilize knowledge gained from courses such Professional Ethics as well as the foundational science classes to guide decision making in the veterinary field.
3. Apply critical thinking to analyze and integrate data from many sources and engage in creative problem solving in complex situations.
4. Assume a leadership role within the workplace.
5. Be able to utilize procedures and specialized treatment modalities used in veterinary medicine
6. Employ more advanced nursing and sampling techniques used in veterinary practice that are beyond the essential tasks set by veterinary technology accreditation.
7. Effectively and professionally communicate with clients and personnel in a veterinary setting
8. Be qualified to enroll in a postgraduate degree program.

2. What is the date of the initial periodic assessment of program and the length of the assessment cycle (years).
Since this program will lead to veterinary technology licensure, assessment will be in compliance with the American Veterinary Medical Association Committee on Veterinary Technology Education and Activities. Accredited programs require biennial reports submitted and undergo onsite team visits every five or six years.

D. Admission Requirements.

1. What are the admission requirements for students in this program, including any special or optional admission requirements?
High School Diploma
Regents level Biology with a score of 75 or greater
Regents level Chemistry with a score of 65 or greater
Regents Geometry or Math A (65 or greater) plus one additional year of college preparatory math.

Transfer students must be at the appropriate science and math level as stated above and have a GPA of at least 2.5.

2. Describe how these requirements are intended to assure that students are prepared to complete the program.
These admission requirements are the same as for the AAS degree program in Veterinary Science Technology. These help assure success in the fundamental college level science and math courses in the curriculum.

E. Curriculum Outline.

1. Outline all curricular requirements for the proposed program, including prerequisite, core, specialization (track, concentration), capstone, and any other relevant component requirements

Bachelors of Science in Veterinary Technology
'Science Focused' Track

First Year
First Semester

VSCT 101 *	2 credits	Fund. Vet Nursing I
VSCT 103 *	2 credits	Intro to An Ag
BIOL 150*	4 credits	Col. Biology I GER 2
CHEM 150*	4 credits	Col. Chemistry I GER 2
ENGL 101* or 102**	3 credits	Expos Writing or Oral & Written Expression GER 10
TOTAL	**15 credits**	

Second Semester

VSCT 115*	2 credits	Fund Vet Nursing Skills II
VSCT 114*	3 credits	Animal Anat & Phys
VSCT 104*	1 credit	Vet Office Practices
BIOL 155**	4 credits	Col Biology II
CHEM 155**	4 credits	Col Chemistry II
LA/GER*	3 credits	Humanities GER 7
TOTAL	**17 credits**	

Second Year
Third Semester

BIOL 209*	4 credits	Microbiology
VSCT 205*	2 credits	Radiographic Techniques
VSCT 207*	3 credits	Health & Disease of Farm An.
MATH†	3-4 credits	Math GER 1
PHYS 121**	4 credits	College Physics I
TOTAL	**16-17 credits**	

Fourth Semester

VSCT 112*	3 credits	Veterinary Clinical Pathology I
VSCT 212*	1 credit	Research Animal Techniques
VSCT 213*	2 credits	Practical Nutrition
VSCT 102*	2 credits	Companion Animal Behavior
PSYC 101*	3 credits	Introductory Psychology GER 3
PHYS 122**	4 credits	College Physics II
TOTAL	**15 credits**	

Third Year
Fifth Semester

VSCT 202*	3 credits	Veterinary Clinical Pathology II
VSCT 206*	3 credits	Anesthetic Principles
VSCT 203*	3 credits	Small Animal Med & Thera Tech
VSCT 204*	2 credits	Large Animal Med & Thera Tech
CHEM 301**	4 credits	Organic Chemistry I
TOTAL	**15 credits**	

Sixth Semester

VSCT 210*	3 credits	Veterinary Microbiology
VSCT 214*	2 credits	Veterinary Pharmacology
VSCT 211*	3 credits	Animal Hosp. Prac & Proc
U/D LA	3 credits	LA elective GER 4, 5, 6 or 8
CHEM 302**	4 credits	Organic Chemistry II
TOTAL	**15 credits**	

Fourth Year
Seventh Semester

BIOL 310**	3 credits	The Genome
CHEM 430**	4 credits	Biochemistry
U/D core	6 credits	U/D Program Electives
U/D LA	3 credits	LA elective GER 4, 5, 6 or 8
TOTAL	**16 credits**	

Eighth Semester

BIOL 325	3 credits	Biology & Society GER
U/D core	6 credits	U/D Program Elective
U/D LA	3 credits	elective GER 4, 5, 6 or 8
U/D LA	3 credits	LA elective
TOTAL	**15 credits**	

*Indicates core veterinary technology courses in AAS program

**Indicates courses required in most pre-veterinary programs

†Math elective: MATH 111, 121,122, 141 or another appropriate math by advisement

U/D Program Electives may include:
Any U/D course with the prefix of;
VSCT, BIOL or CHEM
As well as:
HSMB 301 Public Health Issues
HSMB 303 Occupational Health and Safety
BSAD 319 Professional Ethics
SSCI 370 Research Methods in the Social & Health Sciences

Courses which provide onsite experience supervised by a Veterinarian include:

-Administration of medications: These procedures are included in VSCT 101, VSCT 115, VSCT 203, and VSCT 211 for companion animals and in VSCT 204 for large animals.
-Assist in medical procedures: Same as above
-Induce and maintaining anesthesia: These are covered in VSCT 206 as well as infused in VSCT 203 and 211 and VSCT 204 in regards to large animals
-Assisting in surgical procedures: These are covered in VSCT 203, VSCT 206 and 211 and VSCT 204 in regards to large animals
-And internship/clinical experience in a veterinary clinic: The clinical experience (preceptorship) is attached to VSCT 211.

Bachelors of Science in Veterinary Technology

'Management Focused' Track

First Year

First Semester

VSCT 101 *	2 credits	Fund. Vet Nursing Skills I
VSCT 103 *	2 credits	Intro to Animal Agriculture
BIOL 150*	4 credits	Col. Biology I GER 2
CHEM 150*	4 credits	Col. Chemistry I GER 2
ENGL 101* or 102**	3 credits	Expos Writing or Oral & Written Expression GER 10
TOTAL	**15 credits**	

Second Semester

VSCT 115*	2 credits	Fund Vet Nursing Skills II
VSCT 114*	3 credits	Animal Anat & Phys
VSCT 104*	1 credit	Vet Office Practices
BIOL 155**	4 credits	Col. Biology II
CHEM 155**	4 credits	Col. Chemistry II
LA/GER*	3 credits	Humanities GER 7
TOTAL	**17 credits**	

Second Year

Third Semester

BIOL 209*	4 credits	Microbiology
VSCT 205*	2 credits	Radiographic Techniques
VSCT 207*	3 credits	Health & Disease of Farm An.
MATH†	3-4 credits	Math GER 1
LA	3 credits	LA Elective
TOTAL	**15-16 credits**	

Fourth Semester

VSCT 112*	3 credits	Veterinary Clinical Pathology I
VSCT 212*	1 credit	Research Animal Techniques
VSCT 213*	2 credits	Practical Nutrition
VSCT 102*	2 credits	Companion Animal Behavior
PSYC 101*	3 credits	Introductory Psyc GER 3
LA	3 credits	LA Elective
TOTAL	**14 credits**	

Third Year

Fifth Semester

VSCT 202*	3 credits	Veterinary Clinical Pathology II
VSCT 206*	3 credits	Anesthetic Principles
VSCT 203*	3 credits	Small Animal Med & Thera. Tech
VSCT 204*	2 credits	Large Animal Med & Thera. Tech
U/D LA	3 credit	LA elective
U/D core	3 credit	U/D Program Elective
TOTAL	**17 credits**	

Sixth Semester

VSCT 210*	3 credits	Veterinary Microbiology
VSCT 214*	2 credits	Veterinary Pharmacology
VSCT 211*	3 credits	Animal Hosp. Prac. & Proc.
U/D LA	6 credits	LA elective GER 4, 5, 6 or 8
U/D core	3 credits	U/D Program Elective
TOTAL	**17 credits**	

Fourth Year

Seventh Semester

BIOL 310**	3 credits	The Genome
U/D core	9 credits	U/D Program Electives
U/D LA	3 credits	LA elective GER 4, 5, 6 or 8
TOTAL	**15 credits**	

Eighth Semester

BIOL 325	3 credits	Biology & Society GER
U/D core	6 credits	U/D Program Elective
U/D LA	3 credits	elective GER 4, 5, 6 or 8
U/D LA	3 credits	LA elective
TOTAL	**15 credits**	

*Indicates core veterinary technology courses in AAS program

**Indicates courses required in most pre-veterinary programs

†Math elective: MATH 111, 121,122, 141 or another appropriate math by advisement

U/D Program Electives may include:
Any U/D course with the prefix of;
VSCT, BIOL or CHEM
As well as:
HSMB 301 Public Health Issues
HSMB 303 Occupational Health and Safety
BSAD 319 Professional Ethics
SSCI 370 Research Methods in the Social & Health Sciences

Courses which provide onsite experience supervised by a Veterinarian include:

-Administration of medications: These procedures are included in VSCT 101, VSCT 115, VSCT 203, and VSCT 211 for companion animals and in VSCT 204 for large animals.
-Assist in medical procedures: Same as above
-Induce and maintaining anesthesia: These are covered in VSCT 206 as well as infused in VSCT 203 and 211 and VSCT 204 in regards to large animals
-Assisting in surgical procedures: These are covered in VSCT 203, VSCT 206 and 211 and VSCT 204 in regards to large animals
-And internship/clinical experience in a veterinary clinic: The clinical experience (preceptorship) is attached to VSCT 211.

3. External Review

Baccalaureate proposals and some others must include two external reviews of the proposed program conducted by recognized experts following the form in Appendix D (unless special arrangements are made for a waiver with the Program Review and Planning Group). List the names of the two reviewers and attach their review(s) along with the campus response to the review(s) or, if a waiver was approved, check the box and indicate the date the waiver was granted.

Reviewer #1   Joseph E. Savarese, DVM

Reviewer #2   Robert Bill, DVM
See appendices for external reviewers comments- no rebuttal necessary
Check (type an 'x' between the brackets) if a waiver has been approved: [ ]

Date of waiver:

4. Enrollment

What is the projected enrollment when the program begins?   20 full and part-time students
What is the projected enrollment after five years?   30 full and part-time students
How were these projections determined? Interest surveys were sent to guidance counselors at 125 high schools in Northern and Central New York State to determine interest in a Veterinary Technology Bachelor's Degree Program. The academic path was explained in the letter sent to the guidance counselors along with a survey regarding projected enrollment. The results returned indicated a strong interest in the program with 20 respondents estimating that 1-2 students each year might enroll and 10 respondents indicated that 3-4 might enroll.
All graduates of SUNY Canton's Veterinary Technology program from the years 2002-2008 were sent a general interest survey. 200 surveys were mailed and 67 were returned. Twenty-four respondents indicated that they would be interested in a BS program if it were available. Ten respondents indicated that they would have been interested if it was offered at the time of their graduation.
In reviewing the graduation classes of the last six years, of 210 graduates, 64 students have pursued a bachelor's degree(30%).
Current students were also surveyed, of 78 enrolled students, 53 stated that they were very interested in pursuing this degree were it offered at SUNY Canton.

What planning has been made for the possibility that anticipated enrollment estimates are not achievable?

This program is made up of almost entirely courses that are already taught in various programs on campus. Only one new upper division science course (Biochemistry) has been developed exclusively for this program. This course may require the hiring of additional adjuncts or the reassignment of current science faculty.

SUNY Canton is a member of the Associated Colleges of the St. Lawrence Valley, which is an educational consortium between the neighboring schools of SUNY Potsdam, St. Lawrence University and Clarkson University. In the event that enrollment is not achieved in the advanced science courses (Organic Chemistry I & II and Biochemistry), students will be able to cross register at any of these colleges. For residential students who may not have transportation, St. Lawrence University is within walking distance of the SUNY Canton campus, the other two colleges may be reached via a county bus service or car pooling.

5. Impact of the New Program on the Service Area and Consultation with Other SUNY Institutions

A. Need: Justify the need for the proposed program in terms of the clientele it will serve and the economic and/or educational needs of the area and of New York State. Describe how the level of need was established.

Fields related to veterinary medicine are some of the fastest growing in the nation. This program is initially being developed to meet the needs of a growing number of students who wish to continue their education beyond the associate degree level for the primary purpose of improving their employment opportunities. The U.S. Bureau of Labor Statistics Occupational Outlook Handbook, 2010 -2011 states "As the number of veterinarians grows to meet the demand for veterinary care, so will the number of veterinary technicians needed to assist them." "The number of pet owners who take advantage of veterinary services for their pets is expected to grow over the projection period, increasing employment opportunities." "Veterinary technologists will enjoy excellent job opportunities due to the relatively few graduates from 4-year programs – about 500 annually. However, unlike veterinary technicians who usually work in private clinical practice, veterinary technologists will have better opportunities for research jobs in a variety of settings, including biomedical facilities, diagnostic laboratories, wildlife facilities, drug and food manufacturing companies, and food safety inspection facilities."

As stated earlier, there are approximately 20 colleges offering programs for veterinary technologists nationwide. Of these, there are 2 in New York State: Medaille College and Mercy College. Medaille College is approximately 270 miles from Canton and Mercy College is approximately 330 miles from Canton, so there no program of this type in our service area.

The results of a guidance counselor survey of central and northern New York school districts indicate abundant interest in a program of this type.
Comments from some of these surveys include the following:
*I think that this is a great idea for a new program. I think that my number of interested students would increase with a four year program.
*I think this would be an excellent addition to an already successful program.
*It seems that we are seeing an increase in numbers of students interested in this field.
* This is a wonderful option for students locally. I am glad to hear that this is a possibility.
*I think this is a great idea. Our students would benefit from a program of this type and I'm sure students would pursue the BS
*I think this is a great idea-I have a young lady right now who has applied in Vet Tech and her goal is a four year degree. I always recommended Canton as the place to go especially if a new bachelor's is put in place.

Students in our curriculum were also surveyed and 70% responded that they were very interested in this program were it to be offered (54/78). The survey asked the students what their reason was for wanting a Bachelor's Degree; the following are some of their comments.
-to be able to get a better job or apply to vet school
-to increase my level of knowledge, to make me more employable, to increase my salary
-I wish to apply to graduate school
-I think I would have more options
-I want to further my education in veterinary science
-a higher level of education will increase my knowledge before I start working and may raise my starting salary
-to broaden my learning experience
-to further my education about animals to better help clients

B. Employment: For programs designed to prepare graduates for immediate employment, document the potential employers of graduates. Specify employers who have requested establishment of the program and describe their specific employment needs.

	Projected positions	
Employer	In initial year	In fifth year

       This program does not necessarily prepare graduates for immediate employment; many students may choose to pursue a graduate program upon completion of the BS.

       For those students who do not plan to transition to graduate school, the employment opportunities in the veterinary health care field are broad. Again quoting the US Bureau of Labor Statistics occupational Outlook Handbook for 2010- 2011, the job outlook for veterinary technicians or technologists is considered 'excellent'. "Employment is expected to grow much faster than average." "Employment of veterinary technicians and technologists is expected to grow 36 percent over the 2008-18 projection period, which is much faster than the average for all occupations….This growing affluence and view of pets will continue to increase the demand for veterinary care." "Job Prospects: Excellent job opportunities are expected because of the relatively few veterinary technology graduates each year." "Excellent job opportunities will stem from the need to replace veterinary technologists and technicians who leave the occupation and from the limited output of qualified veterinary technicians". "Veterinary technologists also will enjoy excellent job opportunities due to the relatively few graduates from 4-year programs- about 500 annually. However, unlike veterinary technicians who usually work in private clinical practice, veterinary technologists will have better opportunities for research jobs in a variety of settings, including biomedical facilities, diagnostic laboratories, wildlife facilities, drug and food manufacturing companies and food safety inspection facilities."
From the Projections Data in this document employment numbers for Veterinary technologists and technicians in 2008 was 79,600 and the projected employment for 2018 is 108,100.

C. Similar Colleges: Identify similar programs at other institutions, public and independent, in the service area, region and state, as appropriate. Recent enrollment data for SUNY institutions is available from the Academic Programs Information System at http://www.sysadm.suny.edu/APIS/main.cfm.edu/APIS/main.cfm. Information for non-SUNY institutions is available from SED's *Inventory of Registered Programs* at http://www.nysed.gov/heds/IRPSL1.html.

Institution	Program Title	Degree	Enrollment
Medaille College	Veterinary Technology	BS	55
Mercy College	Veterinary Technology	BS	200

D. Collaboration: Provide evidence of appropriate consultation with other SUNY campuses and summarize the results of the consultation. (Please do not attach copies of letters from sister institutions responding to the Program Announcement.)
  The Program Announcement was submitted to SUNY in March 2010.

E. Objections: Explain the reasons for any objections from SUNY campuses as well as the resolution of discussions regarding perceived competition between campuses.

   There were no objections to this announcement

F. Transfer: The University views as one of its highest priorities the facilitation of transfer for students from lower-division to upper-division study. For programs designed to facilitate transfer, supply information solicited in the appropriate table below and, in the case of A.A./A.S. programs, in Appendix G (see below).

Associate Degrees: Programs leading to the Associate in Arts or the Associate in Science degree must include documentation that program graduates will be able to transfer into at least two registered baccalaureate programs and complete them within two additional years of full-time study. Letters from the chief academic officers of two baccalaureate institutions attesting to the articulation of the proposed A.A. or A.S. must be included with the program proposal. **These letters must assert acceptance of the completed SUNY Transfer Course Equivalency Table, to be found in Appendix G.**

Institution	Baccalaureate program title	Degree

Baccalaureate Degrees: Proposals for baccalaureate programs that anticipate transfer student enrollment must include evidence of consultation with at least two appropriate two-year colleges to assure articulation with pertinent degree programs and completion within two additional years of full-time study.

Institution	Associate program title	Degree
Suffolk Community College	Veterinary Technology	AAS
State Univ of New York at Alfred	Veterinary Technology	AAS

6. Curriculum Tables (See Program Proposal Directions for guidance—Handbook Section II. 6) *(Note: BS in VT/Science Focused Curriculum)

'Science Focused' Track
LOWER DIVISION

FALL									SPRING								
Course Offering	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**	**Course Offering**	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**
Fundamental Veterinary Nursing Skills I	VSCT 101	2			x				Theodore	Fundamental Veterinary Nursing Skills II	VSCT 115	2			x				Theodore
Introduction to Animal Agriculture	VSCT 103	2			x				Loomis	Animal Anatomy and Physiology	VSCT 114	3			x				Beane
College Biology I	BIOL 150	4	2	x					Erickson	Veterinary Office Practices	VSCT 104	1			x				Willard
College Chemistry I	CHEM 150	4	2	x					Heldt	College Biology II	BIOL 155	4		x		x			Erickson
Oral & Written Expression OR Expository Writing	ENGL 102 or ENGL 101	3	10	X					staff	College Chemistry II	CHEM 155	4		x		x			Heldt
										LA/Humanities GER		3	7	x					staff
Total Credits		**15**								**Total Credits**		**17**							

FALL									SPRING								
Course Offering	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**	**Course Offering**	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**
Microbiology	BIOL 209	4		x		x			Erickson	Veterinary Clinical Pathology I	VSCT 112	3			x				Loomis
Radiographic Techniques	VSCT 205	2			x				Beane	Research Animal Techniques	VSCT 212	1			x				Loomis
Health & Disease of Farm Animals	VSCT 207	3			x				Loomis	Practical Nutrition	VSCT 213	2			x				Beane
Mathematics		3-4	1	x					staff	Companion Animal Behavior	VSCT 102	2			x				Mott
College Physics I	PHYS 121	4		x		x			Ononye	Introductory Psychology	PSYC 101	3	3	x					staff
										College Physics II	\PHYS 122	4		x		x			Hong
Total Credits*		**16-17**								**Total Credits***		**15**							

'Science Focused' Track
UPPER DIVISION

FALL										SPRING									
Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor	Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Veterinary Clinical Pathology II	VSCT 202	3			x				Loomis	Veterinary Microbiology	VSCT 210	3			x				Loomis
Anesthetic Principles	VSCT 206	3			x				Beane	Veterinary Pharmacology	VSCT 214	2			x				Beane
Small Animal Medicine and Therapeutic Techniques	VSCT 203	3			x				Beane	Animal Hospital Practices & Procedures	VSCT 211	3			x				Loomis
Large Animal Medicine and Therapeutic Techniques	VSCT 204	2			x				Loomis	Upper Level LA GER 4, 5, 6 or 8		3	x	x					staff
Organic Chemistry I	CHEM 301	4		x		x			Labban	Organic Chemistry II	CHEM 302	4		x		x			Labban
Total Credits*		**15**								**Total Credits***		**15**							

FALL										SPRING									
Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor	Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
The Genome	BIOL 310	3		x		x			Taylor	Biology & Society	BIOL 325	3	2	x					Tavernier
Biochemistry	CHEM 430	4		x		x		x	Heldt	Advanced Veterinary Nursing	VSCT 303	3				x			Theodore
Veterinary Hospital Mgt II	VSCT 302	3				x			Theodore	Professional Ethics	BSAD 319	3				x			Fenner
Issues & Perspectives in Veterinary Medicine	VSCT 401	3				x			Theodore	Upper Level LA GER 4, 5, 6 or 8		3	x	x					staff
										U/D LA elective		3		x			x		staff
Upper Level LA GER 4, 5, 6 or 8		3	x	x					staff										
Total Credits*		**16**								**Total Credits***		**15**							

CREDIT SUMMARY

General Education	32-33
Major	42
Required Electives*	47
Electives*	3
Pre-Vet Track Total	**124-125**

'Management Focused' Track
LOWER DIVISION

FALL										SPRING									
Course Offering	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**	**Course Offering**	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**
Fundamental Veterinary Nursing Skills I	VSCT 101	2			x				Theodore	Fundamental Veterinary Nursing Skills II	VSCT 115	2			x				Theodore
Introduction to Animal Agriculture	VSCT 103	2			x				Loomis	Animal Anatomy and Physiology	VSCT 114	3			x				Beane
College Biology I	BIOL 150	4	2	x					Erickson	Veterinary Office Practices	VSCT 104	1			x				Willard
College Chemistry I	CHEM 150	4	2	x					Heldt	College Biology II	BIOL 155	4		x		x			Erickson
Oral & Written Expression OR Expository Writing	ENGL 102 or ENGL 101	3	10	X					staff	College Chemistry II	CHEM 155	4		x		x			Heldt
										LA/ GER		3	7	x					staff
Total Credits		**15**								**Total Credits**		**17**							

FALL										SPRING									
Course Offering	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**	**Course Offering**	**Course Number**	**Cr**	**GE**	**LA**	**M**	**RE**	**E**	**N/R**	**Instructor**
Microbiology	BIOL 209	4		x		x			Erickson	Veterinary Clinical Pathology I	VSCT 112	3			x				Loomis
Radiographic Techniques	VSCT 205	2			x				Beane	Research Animal Techniques	VSCT 212	1			x				Loomis
Health & Disease of Farm Animals	VSCT 207	3			x				Loomis	Practical Nutrition	VSCT 213	2			x				Beane
Mathematics		3-4	1	x					staff	Companion Animal Behavior	VSCT 102	2			x				Mott
Liberal arts elective		3		X			X		staff	Introductory Psychology	PSYC 101	3	3	x					staff
										Liberal arts elective		3		X			x		staff
Total Credits*		**15-16**								**Total Credits***		**14**							

'Management Focused' Track
UPPER DIVISION

FALL

Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Veterinary Clinical Pathology II	VSCT 202	3			x				Loomis
Anesthetic Principles	VSCT 206	3			x				Beane
Small Animal Medicine and Therapeutic Techniques	VSCT 203	3			x				Beane
Large Animal Medicine and Therapeutic Techniques	VSCT 204	2			x				Loomis
Public Health Issues	HSMB 301	3				X			Signorelli
LA elective		3		x			x		staff
Total Credits*		**17**							

SPRING

Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Veterinary Microbiology	VSCT 210	3			x				Loomis
Veterinary Pharmacology	VSCT 214	2			x				Beane
Animal Hospital Practices & Procedures	VSCT 211	3			x				Loomis
Upper Level LA GER 4, 5, 6 or 8		3	X	x					staff
Veterinary Hospital Mgt I	VSCT 301	3				X			Theodore
LA elective	elective	3		x			x		staff
Total Credits*		**17**							

FALL

Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
The Genome	BIOL 310	3		x		x			Taylor
Veterinary Hospital Mgt II	VSCT 302	3				x			Theodore
Issues & Perspectives in Veterinary Medicine	VSCT 401	3				x			Theodore
Occupational Health & Safety	HSMB 303	3				x			Farrell
Upper Level LA GER 4, 5, 6 or 8		3	x	x					staff
Total Credits*		**15**							

SPRING

Course Offering	Course Number	Cr	GE	LA	M	RE	E	N/R	Instructor
Biology & Society	BIOL 325	3	2	x					Tavernier
Advanced Veterinary Nursing	VSCT 303	3				x			Theodore
Professional Ethics	BSAD 319	3				x			Fenner
Upper Level LA GER 4, 5, 6 or 8		3	x	x					staff
U/D LA elective		3		x			x		staff
Total Credits*		**15**							

CREDIT SUMMARY

General Education	32-33
Major	42
Required Electives*	36
Electives*	15
Standard Track	**125-126**

7. Faculty

List the name and qualifications of each faculty member who will teach required and/or elective courses *in the major*. **Indicate the academic leadership of the program by placing an asterisk next to the name of the director or chair.** For faculty who are not presently in place but who will be hired to teach in the program, indicate TBH (to be hired) in the *Name* column and the qualifications (rank, degree level, discipline, and, if appropriate, professional/occupational experience). Abbreviations: *Rank:* Professor = PROF, Associate Professor = ASSOC, Assistant Professor = ASSIST, Lecturer = LECT, Instructor = INST; In the left column of *Status:* Full-time = FT, Part-time (salaried appointment) = PT, Adjunct = ADJ, Other = OTH. In the right column of status state the percentage (as a fraction) of the faculty member's workload that will take place as teaching, supervision, or advising in this program: 1.0, 0.5, etc. For any unusual case—or if this format does not shed light on the situation—attach an explanation.

Faculty				Education			Experience
Name	*Rank*	*Status*		*Highest Degree*	*Institution*	*Discipline*	*Professional/Occupational*
		FT/PT	*%*				
Mary O'Horo Loomis*	Prof	FT	1.0	Vet Sci	DVM	NYSCVM	Vet Sci	
D. Anthony Beane	Prof	FT	1.0	Vet Sci	DVM	NYSCVM	Vet Sci	
Sophia Theodore	Assoc	FT	1.0	Vet Sci	DVM	Univ of Illinois	Vet Sci	
Raeleen Willard	IST	FT	1.0	Vet Sci	MS	SUNY Potsdam	VetSci/ Biology	Licensed Veterinary Technician
Kenneth Erickson	Prof	FT	.1	Science	DVM	Univ of Illinois	Biology	
Molly Mott	Lect	FT	.1	Dean, Academic Services & Retention	PhD	Walden U.	Education	Licensed Veterinary Technican
Nicole Heldt	Assoc	FT	.5	Science	PhD	Clarkson Univ	Biology/ Chem	
Jeffrey Taylor	Assist	FT	.5	Science	PhD	Univ of Waterloo	Biology	
Wassim Labban	Assist	FT	.5	Science	PhD	Univ of Southern Mississippi	Chemistry	
Ronald Tavernier	Assist	FT	.5	Science	PhD	Univ of Alaska	Biology/ Chem	
Feng Hong	Assoc	FT	.1	Physics	PhD	North Dakota St	Physics	
Lawretta Ononye	Assoc	FT	.1	Physics	PhD	Univ of Tenn.	Physics	
Diane Muehl	Assoc	FT	.1	Social Science	PhD	Univ of Illinois	Sociology	
Charles Fenner	Assoc	FT	.1	Business	PhD	Touro Univ Intl	Business Admin	
Anthony Signorelli	Assist	FT	.5	Health Care Mgt	MD	Vrij Univ Brussel	HCM	
Timothy Farrell	Inst	ADJ	.5	Health Care Mgt	MS	SUNY IT	Nursing Admin.	

8. Resources
Document the projected cost of the program and identify the source of the funds.

Expenditures		Start-up	When the program begins	After five years
Personnel	*Reallocation*			
	New funds		$10,000TS	
Library	*Reallocation*			
	New funds		$1000	
Equipment	*Reallocation*			
	New funds			
Laboratories	*Reallocation*			
	New funds			
Supplies & Expenses (OTPS)	*Reallocation*		$16,000*	$18,000
	New funds			
Capital Expenditures	*Reallocation*			
	New funds			
Other	*Reallocation*			
	New funds			
Grand Total			$27,000	$63,000

* OTPS to be shared proportionally with the existing 2 yr. program contingent on enrollment.

Please provide further information about the library holdings that will serve this new program, including the campus's implementation of SUNY*Connect,* the SUNY-wide electronic library initiative. What is the extent of the current holdings in the discipline area? What are the plans, including timetable, for the acquisition of additional holdings? Please comment on access to these materials.

The number of print titles in the Library's collection that support the Veterinary Technology program is approximately 450. Additionally, the Library purchases many curriculum-related titles in electronic format. These are not listed or counted here, but may be accessed through the Library's catalog, SLEUTH.

Through the Library's involvement in area and state-wide consortia, students at SUNY Canton also have free access to materials at local and statewide college libraries, and database access through projects funded by SUNYConnect, EmpireLink, and the Northern New York Library Network. SUNYConnect also supports rapid interlibrary loan through its LAND courier service. Using LAND, SUNY libraries are able to fill ILL requests within 48 hours. Additionally, SUNY Canton actively participates in other SUNYConnect projects, including the ALEPH library management system and EZProxy, the SUNY Union Catalog, Serials Solutions 360Link and 360Search, as well as database and e-journal consortia purchases

In addition to on-site library services such as reference, interlibrary loan, and library instruction, the SUNY Canton library offers support to commuter and distance-learning students through a dynamic web page and remote access to databases (EZProxy). The Serials Solutions 360link journal linker software allows for online access to all specific individual journal titles covered by the Library's subscription databases. The Library has recently joined the virtual reference consortium 24/7, which provides round-the-clock research assistance to all SUNY Canton students, regardless of their location.

Library collection development funds for new programs have been, in past years, more than adequate. Priority consideration is given to requests by faculty developing these programs and requested materials are nearly always purchased. Acquisitions of additional holdings will be a priority responsibility of the veterinary science faculty within the first year of the program to assure adequate breadth and depth of resources are available to meet the educational needs of the program.