

NEW VISIONS

ENGINEERING AT CORNELL UNIVERSITY

HEALTH AND MEDICAL SCIENCES AT CAYUGA MEDICAL CENTER

LIFE SCIENCES/APPLIED SCIENTIFIC RESEARCH AT CORNELL UNIVERSITY

Visit our websites for more information:

www.tstboces.org/newvisions

<https://www.tstnv.org/>

New Visions Engineering

(607) 257-1551 ext. 4105

Mr. David Syracuse, Teacher

dsyracuse@tstboces.org

New Visions Health and Medical Sciences

(607) 257-1551 ext. 4101

Dr. Jennifer Hightower, Teacher

jhightower@tstboces.org

New Visions Life Sciences/Applied Scientific Research

(607) 257-1551 ext. 4102

Mrs. Michele Kline, Teacher

mcline@tstboces.org

Student's Name: _____

Home School: _____

Counselor: _____

Date of Application: _____

New Visions Program: _____



Cornell University®

INFORMATION FOR THE CANDIDATE

New Visions is a competitive program designed for highly motivated, academically capable and mature high school students who are interested in Engineering, Health and Medical, or Life Sciences/Applied Scientific Research college majors and careers.

To the Applicant:

- Answer all questions on the application completely (including the essay) and return it to your high school counselor.
- Request two letters of recommendation from teachers - one English teacher and one from another subject area - and ask them to complete google form by the application deadline.
- Applicants who qualify for an interview will be contacted to schedule an appointment with the interview committee.
- Complete all information clearly and completely. If you prefer, you can submit an online application in place of the hard copy application.

To the Counselor:

- Please complete the counselor section on the online google form, and submit it **along with a written recommendation.**
- Include the applicant's high school transcript, current attendance record, and the most recent 11th grade report card.
- Teacher evaluations will be completed by the evaluators through the online google form, which includes one from an English teacher and one from another academic teacher.
- Forward all documentation, along with completed application, to Student Services Office, TST BOCES, 555 Warren Road, Ithaca, NY 14850.

STUDENT INFORMATION

Please Print Neatly

NAME _____ PARENT/GUARDIAN NAME _____

ADDRESS _____

HOME PHONE _____ PARENT CELL PHONE _____

STUDENT CELL PHONE _____ DATE OF BIRTH _____

STUDENT E-MAIL _____

PARENT E-MAIL _____

ARE YOU A FIRST GENERATION COLLEGE STUDENT? (Yes/No) _____

PLEASE ANSWER ALL OF THE FOLLOWING QUESTIONS:

What are your career goals? _____

List your favorite subject(s) in school. _____

List your interests/activities outside of school. _____

List prior experience, in or out of school, related to the program you are applying for: _____

What has been your least favorite aspect of high school to date? Why? _____

ESSAY TOPICS

- Write an appropriately formatted, typed, and proofread essay of approximately 500 words on ONE of the topics listed below. *Topics 7-9 are not required, but students may select the question related to their New Visions program of interest.*
- Create a heading on each page of your essay with your name, the name of your high school, and the number (1-9) of the essay topic you have selected.
- Give your essay a title.

1. Some students have a background, identity, interest, or talent that is so meaningful they believe their application would be incomplete without it. If this sounds like you, then please share your story.

2. The lessons we take from failure can be fundamental to later success. Recount an incident or time when you experienced failure. How did it affect you, and what did you learn from the experience?

3. Reflect on a time when you challenged a belief or idea. What prompted you to act? Would you make the same decision again?

4. Describe a problem you've solved or a problem you'd like to solve. It can be an intellectual challenge, a research query, an ethical dilemma-anything that is of personal importance, no matter the scale. Explain its significance to you and what steps you took or could be taken to identify a solution.

5. Discuss an accomplishment or event, formal or informal, which marked your transition from childhood to adulthood within your culture, community, or family.

6. Discuss a current topic or event in your field of interest. Explain its significance and potential implications for this field.

7. **For Engineering applicants:** Engineers solve problems involving many disciplines, and often with no clear "right" answer. This makes knowing if or when the problem has been successfully solved somewhat challenging. Describe a few broad things that an Engineer should keep in mind, no matter what the problem or

how complex the solution, in order to meet with success. Your answer should also briefly define what metrics you use to define “success”.

8. For Health and Medical Sciences applicants: The ultimate goal of the Health and Medical Sciences program is to produce a population of students with a collective desire to improve the health of all segments of our society through outstanding patient care, research and education. In this context, where do you see your future medical career (academic, medicine, research, public health, primary care, business/law, etc.) and why?

9. For Life Science/Applied Scientific Research applicants: One of the highlights of the Life Sciences program is the collaborative research option at Cornell University. Students will have an opportunity to conduct scientific research in collaboration with University Researchers. **If you have a specific interest**, you may use this question to express your interest and how your experiences have shaped that interest.

To Be Completed by School Counselor

Students interested in **New Vision Programs** apply for the program in the spring of their junior year.

Candidate must:

1. Be deemed eligible for graduation the following year.
2. Have successfully passed all required courses and exams to be eligible for an Advanced Regents Diploma by the end of 11th grade. (Regents Exams that have been NYS excused are not required.)
3. Intend to seek acceptance at a college or university.

Please rate the applicant in the following areas. Keep in mind that the students will be compared with other capable college preparatory students, and if accepted into the program, will be working closely with a variety of professionals in a medical or university setting. Strong communication skills and a high level of maturity are extremely important.

	Below Average	Good or Average	Excellent (very strong student)	Outstanding (one of the best this year)	One of the top few I have encountered in my career
1. Maturity; behavior is generally based on careful consideration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Initiative; willing to take intellectual risks and work independently of outside influence or control.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Dependable; willing and able to produce what is promised or required on time.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Perseverance; willing to work hard and focus on important tasks with sustained effort.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Attitude; willing to admit error when appropriate; willing to accept and respond positively to constructive criticism.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Writing skills; demonstrates organization, correct mechanics, depths of thinking, logic and sophistication of style.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Interpersonal skills; relates well to others individually and in groups.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Adaptability; modifies behavior in a positive manner to fit unexpected circumstances.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Attendance; is consistently present and punctual.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Enthusiasm about learning; excited by new ideas, interested in new topics.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Important:

Please provide a narrative with supporting or clarifying information on any or all of the above areas. Feel free to add any additional material you feel would be helpful in evaluating this student.

Signature

Date

NEW VISION RECOMMENDATION

Name of Applicant: _____

TEACHER (Any Academic Subject)

School: _____

Subject: _____

Evaluation of Application Confidential

To the teacher:

- The student whose name appears above is applying for a TST BOCES NEW VISION PROGRAM.
- This program accepts talented seniors from TST BOCES component schools who are interested in a specific career area and places them in a related setting during their senior year.
- This is a very competitive program. **Your honest assessment of this student will be helpful in selecting the most capable and deserving students for this opportunity.**
- Please rate the applicant in the areas below. Keep in mind that the student will be compared with other capable college preparatory students, and if accepted into the program, will be working closely with a variety of adult professionals.
- Upon completion please return this form to the student's counselor.

	Below Average	Good or Average	Excellent (very strong student)	Outstanding (one of the best this year)	One of the top few I have encountered in my career
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NEW VISIONS RECOMMENDATION:

Important: Please provide a narrative with supporting or clarifying information on any or all of the above areas. Feel free to add any additional material you feel would be helpful in evaluating this student.

Signature

Date

Name of Teacher: _____

Course Title: _____

NEW VISION RECOMMENDATION

Name of Applicant: _____

ENGLISH TEACHER (Preferably a teacher familiar with your writing skills)

School: _____

Subject: _____

To the teacher:

- The student whose name appears above is applying for a TST BOCES NEW VISION PROGRAM.
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- This is a very competitive program. **Your honest assessment of this student will be helpful in selecting the most capable and deserving students for this opportunity.**
- Please rate the applicant in the areas below. Keep in mind that the student will be compared with other capable college preparatory students, and if accepted into the program, will be working closely with a variety of adult professionals.
- Upon completion please return this form to the student's counselor.

	Below Average	Good or Average	Excellent (very strong student)	Outstanding (one of the best this year)	One of the top few I have encountered in my career
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NEW VISIONS RECOMMENDATION:

Important: Please provide a narrative with supporting or clarifying information on any or all of the above areas. Feel free to add any additional material you feel would be helpful in evaluating this student.

Signature

Date

Name of Teacher: _____

Course Title: _____

NEW VISIONS INTERVIEW FORMAT

PLEASE DRESS PROFESSIONALLY FOR YOUR INTERVIEW

1. The Interview Committee will consist of three members, one of whom will be the New Visions Teacher.
2. The interview will be held at the TST BOCES campus on Warren Road (directions will be provided).
3. Plan to be present on the TST BOCES campus for approximately 45 minutes for a personal interview.
4. Interview questions will come from the list below. Not all questions will be asked.
5. During the interview, the committee members will be looking for effective communication skills, interpersonal skills, self-confidence, and sincerity of interest in the program, not just the content of the responses.
6. We encourage you to seek help from anyone you feel comfortable with to prepare for this interview.
7. Please feel free to bring and refer to notes during the interview.

Interview questions will be selected from the following:

- Tell us about yourself: who is X?
- In situations when everything is coming at you at once (sports, work, school, etc.) how do you handle it? What do you do to cope? How do you organize and manage your time?
- How do you prepare for an assignment that is due in three weeks?
- A rotation you have been looking forward to is canceled at the last minute - how do you feel about that, and how do you handle it?
- You've been working on a project for several weeks, and two days before it is due, your computer gets a virus and won't work. What would you do?
- What have been your most difficult decisions academically?
- What does the term "confidentiality" mean to you?
- Some people think senior year is pretty special. How do you feel about missing half a day at your school in your senior year?
- Who is someone you look up to, and why?
- What do you expect to gain from New Visions?
- What do you think you can contribute to New Visions?
- If you are given a team project, due in a few weeks, what role do you take in the team? What do you do if someone else in the team is not pulling his/her weight?
- Where do you see yourself in 10 years?
- What is something you feel passionate about?
- How would you define professionalism? What would you expect to see in a professional person?
- What ethical issues do you see becoming potential problems in the future?
- If time and money was not an object, you could do anything you wanted right now, what would it be?
- How would your friends/peers describe you?
- What is something about yourself that you would like to work on?
- What was the last gift you gave and why?
- What are your transportation plans to participate in New Visions?
- Do you have any questions for us?

Dear Parent:

Your son/daughter has applied to a New Visions program. The New Visions Health and Medical Sciences Program is held at Cayuga Medical Center at Ithaca, and the New Vision Life Sciences/Applied Scientific Research and New Visions Engineering Programs are held at Cornell University.

There are several components of this program we would like to make you aware of:

1. Students are responsible for providing their own transportation to and from the program site.
2. Students who are accepted are expected to commit to the entire year. Students must attend on a daily basis, and *they have to follow the TST BOCES academic calendar* (which may differ slightly from the calendar of your home school district).
3. Students are responsible for their own lunch.
4. All students accepted into the New Visions Life Sciences/Applied Scientific Research Program will be responsible for weather gear (raincoat and boots). Those who choose to rotate through the Cornell University Animal Hospital will be required to get pre-exposure rabies vaccinations, which the cost is covered by TST BOCES. Additionally, students on rotations at the Cornell University Animal Hospital will be required to wear scrubs and a lab coat. (Personalized sets can be ordered when school starts for approximately \$50.00.)
5. For New Visions Life Sciences/Applied Scientific Research and Engineering students - parking on the Cornell University Campus is free for students who must carpool. Accepted students establish carpool agreements in conjunction with their peers and teacher.
6. New Visions Health and Medical Sciences students will be responsible for purchasing the following: Anatomy and Physiology workbook, stethoscope, lab coat, clean white shoes or sneakers. There is no charge for parking at Cayuga Medical Center.
 - Applications due to student's counselor by **Friday, March 25, 2022**
 - Students who qualify, will be notified of their interview date by **Monday, April 4, 2022**
 - Interviews will be held the **Week of April 18-22, 2022.**
 - Students and counselors will be notified of final decision by **Friday, May 6, 2022**

Your signature below indicates your understanding and acceptance of the above stated conditions for participation.

Student's Name (Printed)

Parent's Name (Printed)

Student's Signature

Parent's Signature

New Visions Program

Date