

# VISUAL EFFECTS FOR FILM & TELEVISION (VFT)

## About the Program

The eight-month Visual Effects for Film and Television program is a leading provider for training in the dynamic and challenging special effects industry. This is a Houdini-certified school and all other software taught (Maya, Nuke) is industry standard. You will work on assignments that mirror the practical work you would do at a VFX studio to create a high-quality portfolio.

## Credential Awarded

Ontario College Graduate Certificate

## Duration

2 Semesters (8 Months)

## Starts

January, September

## Program and Course Delivery

This program is offered in Seneca's hybrid delivery format. Some coursework is online and some must be completed in person. Students will need to come on campus to complete in-person learning requirements.

## Skills

Throughout this program you will develop the following skills:

- Digital painting and retouching
- 2D/3D integration
- 3D modelling, texturing, rendering and lighting
- 3D tracking
- Procedural dynamics simulations

## Your Career

Graduates of the program can explore the following career options:

- Digital effects artist
- Digital compositor
- Lighting artist

Your knowledge, skills and experiences will enable you to pursue opportunities in the entertainment industry to create visual effects.

## Affiliations/Associations

- ACM SIGGRAPH
- Visual Effects Society
- Toronto Animation Arts Festival International (TAAFI)

## Program of Study

Course Code	Course Name	Weekly Hours
<b>Semester 1</b>		
VFT701	2D and 3D Compositing	4
VFT710	Maya Dynamics	2
VFT711	Procedural Effects Animation	4
VFT712	Matchmoving for VFX	2
VFT714	Look Development for VFX	2
VFT715	Asset Development for VFX	3
VFT716	Introduction to Python Programming	2
VFT717	Surfacing I for Visual Effects	2
<b>Semester 2</b>		
VFT801	2D and 3D Compositing II	6
VFT810	Maya Dynamics II	3
VFT811	Procedural Effects Animation II	3
VFT814	Look Development for VFX II	4
VFT815	Asset Development for VFX II	4
VFT817	Surfacing II for Visual Effects	2

## Program Learning Outcomes

This Seneca program has been validated by the Credential Validation Service as an Ontario College Credential as required by the Ministry of Colleges and Universities.

As a graduate, you will be prepared to reliably demonstrate the ability to:

- Execute creative concepts and ideas through a variety and combination of techniques including hand drawn, computer generated, 2D and 3D storyboards and animatics.
- Create sophisticated models for the entertainment, medical, and architectural industries.
- Create 3D characters and creatures ranging from life-like and anatomically correct, to cartoon and anime styles.
- Combine texture mapping, shaders, lighting environments, animating cameras and 'rigs' for 3D models and characters in animation sequences.
- Synthesize a wide variety of digital effects in the creation of environment and creature materials and textures.
- Apply 3D techniques that demonstrate characters with realistic motion and a full range of emotion in animated characters.
- Incorporate 3D animated characters with composited backgrounds utilizing special effects.
- Utilize a variety of digital applications including video and audio editing software and technologies.
- Integrate sophisticated technologies into 3D animated films, videos and games.

## Admission Requirements

- Postsecondary diploma or degree or equivalent in fine art, 2D/3D animation, photography, film/video, architecture or graphic design
- English proficiency (<https://www.senecapolytechnic.ca/registrar/canadian-applicants/admission-requirements/english-proficiency.html>) for graduate certificates

Canadian citizens or permanent residents educated outside of Canada must provide a World Education Services (WES) or ICAS Canada credential evaluation.

## International Student Information

International admissions requirements vary by program and in addition to English requirements (<https://www.senecapolytechnic.ca/international/apply/how-to-apply/admission-requirements/english-requirements.html>), programs may require credits in mathematics, biology, and chemistry at a level equivalent to Ontario's curriculum, or a postsecondary degree or diploma, equivalent to an Ontario university or college. Program-specific pre-requisite courses and credentials are listed with the admission requirements on each program page. To review the academic

requirements please visit: Academic Requirements - Seneca, Toronto, Canada ([senecapolytechnic.ca](https://www.senecapolytechnic.ca)) (<https://www.senecapolytechnic.ca/international/apply/how-to-apply/admission-requirements/academic-requirements.html>).

## Pathways

As a leader in academic pathways, we offer a range of options that will allow you to take your credential further in another Seneca program or a program at a partner institution.

To learn more about your eligibility, visit the Academic Pathways (<https://www.senecapolytechnic.ca/pathways.html>) web page.

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