SOFTWARE SYNOPSIS
IN
MAAC COURSES

This document comprises of information on all the major software used in MAAC courses. This information states three pointers i.e. the description, the course family and a video link for an explanation of the software

1. Adobe Photoshop

Description:
Adobe Photoshop is a raster graphics editor developed and published by Adobe Systems for MacOS and Windows. It is an image editing software.

Video Link:
https://www.youtube.com/watch?v=gdZiEzk8m1Y

Courses:
ADVFX, ADVFX PLUS, AD3D Edge, AD3D Edge PLUS, VFX Plus, D3D, IPVAD, DAFM, DFM, Photoshop, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, VAR Plus, Broadcast Plus, Compositing PLUS, Editing Pro, Motion Graphics Pro, APDMD, Graphic Design Pro, DGWA, DGA

2. Adobe After Effects

Description:
Adobe After Effects is a digital visual effects, motion graphics, and compositing application developed by Adobe Systems and used in the post-production process of film making and television production. Among other things, After Effects can be used for keying, tracking, compositing and animation. It also functions as a very basic non-linear editor, audio editor and media transcoder.

Video Link:
https://www.youtube.com/watch?v=WKpejnYE3s0

Courses:
ADVFX, ADVFX PLUS, AD3D Edge, AD3D Edge PLUS, VFX Plus, IPVAD, DAFM, DFM, AfterEffects, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, Broadcast Plus, Compositing PLUS, Motion Graphics Pro

3. Adobe Audition

Description:
Adobe Audition (formerly Cool Edit Pro) is a digital audio workstation from Adobe Systems featuring both a multitrack, non-destructive mix/edit environment and a destructive-approach waveform editing view.

Video Link:
https://www.youtube.com/watch?v=KnsZtwAZSDU

Courses:
ADVFX, ADVFX PLUS, AD3D Edge, AD3D Edge PLUS, IPVAD, DAFM, DFM, Premiere & Audition, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, VAR Plus, Broadcast Plus, Editing Pro, Motion Graphics Pro, APDMD, DGWA, DGA

4. Adobe Premiere

Description:
Adobe Premiere Pro is a timeline-based video editing app developed by Adobe Systems and published as part of the Adobe Creative Cloud licensing program. First launched in 2003, Adobe Premiere Pro is a successor of Adobe Premiere (first launched in 1991). It is geared towards professional video editing, while its sibling, Adobe Premiere Elements, targets consumers market.

Video Link:
https://www.youtube.com/watch?v=syN23kZ237A

Courses:
ADVFX, ADVFX PLUS, AD3D Edge, AD3D Edge PLUS, IPVAD, DAFM, DFM, Premiere & Audition, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, VAR Plus, Broadcast Plus, Editing Pro, Motion Graphics Pro, APDMD, DGWA, DGA

5. 3ds Max

Description:
Autodesk 3ds Max, formerly 3D Studio and 3D Studio Max, is a professional 3D computer graphics program for making 3D animations, models, games and images. It is developed and produced by Autodesk Media and Entertainment. It is frequently used by video game developers, many TV commercial studios and architectural visualization studios. It is also used for movie effects and movie pre-visualization.

Video Link:
https://www.youtube.com/watch?v=gOOHIAW8V2k

Courses:
ADVFX, ADVFX PLUS, AD3D Edge, AD3D Edge PLUS, VFX Plus, D3D, IPVAD, DAFM, MaxPro, VAR Plus, Broadcast Plus, 3D Walkthrough Pro, DGA, DesignViz Pro

6. Thinking Particles

Description:
thinkingParticles™ is one of cebas' flagship plugins widely known for its fully procedural and physically accurate, real world destruction and special effects simulations in the movie and games industry.

Video Link:
https://vimeo.com/294627696

Courses:
ADVFX, ADVFX PLUS, IPVAD

7. Fumefx

Description:
FumeFX is a powerful fluid dynamics plugin for Autodesk 3ds max and Maya, designed for simulation and rendering of realistic fire, smoke, explosions and other gaseous phenomena.

Video Link:
https://www.youtube.com/watch?v=0IVAQ4INhdg

Courses:
ADVFX, ADVFX PLUS, VFX Plus, IPVAD

8. RayFire

Description:
RayFire Tool gives you the ability to fragment, destroy, demolish, wreck, break down, wreak havoc, blow up, burst, detonate, explode and do other similar things you have always dreamed of to do in Max.

Video Link:
https://www.youtube.com/watch?v=ekqsMCrXZsQ

Courses:
ADVFX, ADVFX PLUS, IPVAD

9. RealFlow

Description:
RealFlow is a fluid and dynamics simulation tool for the 3D and visual effects industry, developed by Next Limit Technologies in Madrid, Spain. This stand-alone application can be used in conjunction with other 3D programs to simulate fluids, water surfaces, fluid-solid interactions, rigid bodies, soft bodies and meshes.

Video Link:
https://www.youtube.com/watch?v=nnv-95w1d5A

Courses:
ADVFX, ADVFX PLUS, VFX Plus, IPVAD

10. V-Ray

Description:
V-Ray is a rendering engine that uses global illumination algorithms, including path tracing, photon mapping, irradiance maps and directly computed global illumination.V-Ray is a computer-generated imagery rendering software application developed by the Bulgarian company Chaos Group.

Video Link: https://www.youtube.com/watch?v=iTjPFHNy96U

Courses: ADVFX, ADVFX PLUS

11. Fusion

Description:
Fusion is the world's most advanced compositing software for visual effects artists, broadcast and motion graphic designers, and 3D animators. Over the last 30 years, Fusion has been used on thousands of Hollywood blockbuster movies and television shows. Fusion gives you everything you need to create exciting broadcast graphics, dramatic titles, and even major feature film visual effects!

Video Link:
https://www.youtube.com/watch?v=EAWogOBA5GI

Courses:
ADVFX, ADVFX PLUS, AD3D Edge, AD3D Edge PLUS, VFX Plus, IPVAD, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, Compositing PLUS

12. Mocha

Description:
Mocha's Academy award-winning planar tracking and effects tools have a proven record on film & television projects including: Rogue One: A Star Wars Story, the Harry Potter film series, The Walking Dead, Game of Thrones and many more.Planar tracking, roto-masking, stabilizing, replacing screens and removing objects are made easy with Mocha.

Video Link:
https://www.youtube.com/watch?time_continue=25&v=lONb0c-lwDM

Courses:
ADVFX, ADVFX PLUS, VFX Plus, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, Compositing PLUS, S3D, Advanced Compositing

13. Silhouette

Description:
SilhouetteFX began as a rotoscoping tool for the visual effects industry. SilhouetteFX has been expanded to include capabilities facilitating paint, warping and morphing, 2D to 3D conversion and alternative matting methods.

Video Link:
https://www.youtube.com/watch?v=Wy0_U9ZUVcc

Courses:
ADVFX, ADVFX PLUS, IPVAD, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, Compositing PLUS, Compositing Pro, Advanced Compositing

14. PFTrack

Description:
Tracking professionals throughout the VFX industry regard PFTrack as the most innovative product of its kind. With unparalleled flexibility, functionality and precision, it is the go to matchmoving and layout software for a reason: It does what the competition can't.Building on a rock-solid camera tracking and image analysis engine, PFTrack adds exclusive technologies that stretch far beyond the capabilities of other conventional matchmoving software.

Video Link:
https://www.youtube.com/watch?v=uc4Yenuq8as

Courses:
ADVFX, ADVFX PLUS, VFX Plus, IPVAD, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, Compositing PLUS

15. Nuke

Description:
Nuke®, NukeX® and Nuke Studio® offer cutting-edge toolkits for node-based compositing, editorial and review. The Nuke family's unparalleled flexibility and collaborative workflows help you get the highest quality results—fast.Flexible, efficient and feature packed, this toolset delivers film-grade results, fast. The perfect choice for compositors, lighters and animators after a robust toolset for compositing tasks

Video Link:
https://www.youtube.com/watch?v=Q4Gbbe_GfRc

Courses:
ADVFX, ADVFX PLUS, VFX Plus, IPVAD, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, Compositing PLUS, Compositing Pro, S3D, Advanced Compositing

16. FCP

Description:
Final Cut Pro is a series of non-linear video editing software programs first developed by Macromedia Inc. and later Apple Inc. Final Cut Pro provides non-linear, non-destructive editing of any QuickTime-compatible video format including DV, HDV, P2 MXF (DVCProHD), XDCAM (via plug-in), 2K, 4K and 5K film formats.

Video Link:
https://www.youtube.com/watch?v=4UET7QptHtc

Courses:
ADVFX, ADVFX PLUS, Compositing and Editing Plus - MESC – N, Compositing and Editing PLUS, Editing Pro

17. Vue

Description:
Vue is a 3D scenery generator software package. It is used for the creation, animation, and rendering of natural 3D environments, in particular outdoor landscapes. It is used by visual effects studios for this purpose. For example, Industrial Light & Magic used it to make backgrounds for the movies Indiana Jones and the Crystal Skull and Pirates of the Caribbean: Dead Man's Chest, and DreamWorks Animation used it in the 2008 film Kung Fu Panda.

Video Link:
https://www.youtube.com/watch?v=yEd4GvFo4IU

Courses:
ADVFX, ADVFX PLUS

18. Houdini

Description:
Houdini is a 3D animation application software developed by Side Effects Software based in Toronto. Side Effects adapted Houdini from the PRISMS suite of procedural generation software tools. Its exclusive attention to procedural generation distinguishes it from other 3D computer graphics software.

Video Link:
https://www.youtube.com/watch?v=wH1Pgr-pJGE

Courses:
ADVFX, ADVFX PLUS

19. Autodesk Maya

Description:
Autodesk Maya, commonly shortened to Maya, is a 3D computer graphics software that runs on Windows, macOS and Linux, originally developed by Alias Systems Corporation (formerly Alias|Wavefront) and currently owned and developed by Autodesk, Inc. It is used to create interactive 3D applications, including video games, animated film, TV series, or visual effects.

Video Link:
https://www.youtube.com/watch?v=sUmwboka5ms

Courses:
AD3D Edge, AD3D Edge PLUS, D3D, IPVAD, Maya

20. Mudbox

Description:
Mudbox is a proprietary computer-based 3D sculpting and painting tool. Currently developed by Autodesk, Mudbox was created by Skymatter, founded by Tibor Madjar, David Cardwell and Andrew Camenisch, former artists of Weta Digital, where it was first used to produce the 2005 Peter Jackson remake of King Kong. Mudbox's primary application is high-resolution digital sculpting, texture painting, and displacement and normal map creation, although it is also used as a design tool.

Video Link:
https://www.youtube.com/watch?v=AoRqSDwkPhE

Courses:
AD3D Edge, AD3D Edge PLUS, VFX Plus, D3D, IPVAD, Maya

21. Arnold

Description:
Arnold is an advanced Monte Carlo ray tracing renderer built for the demands of feature-length animation and visual effects movies. We can build photographic lighting studio setup that can be used for lighting and rendering all manner of objects. Arnold's own proprietary lights help to achieve a physically accurate, photo-realistic lighting setup. The Standard Surface shader in Arnold is a multi-purpose shader capable of producing all types of materials, from simple plastic to car paint or skin. Some of the best features of Arnold are Image Based Lighting support, state of the art physical sky, Adaptive sampling, GPU rendering (Beta), denoiser etc.

Video Link:
https://www.youtube.com/watch?v=IJLlODIpviE

Courses:
AD3D Edge PLUS, IPVAD

22. Corel Draw

Description:
CorelDraw is a vector graphics editor developed and marketed by Corel Corporation. It is also the name of Corel's Graphics Suite, which bundles CorelDraw with bitmap-image editor Corel Photo-Paint as well as other graphics-related programs . The latest version is marketed as Graphics Suite 2019. CorelDraw is designed to edit two-dimensional images such as logos and posters.

Video Link:
https://www.youtube.com/watch?time_continue=54&v=zjVWcw_lJw8

Courses:
IPVAD, APDMD, Graphic Design Pro, DGWA, DGA

23. Adobe InDesign

Description:
Adobe InDesign is the industry leading page design software and layout application lets you create, preflight and publish beautiful documents for print and digital media. InDesign has everything you need to posters, flyers, brochures, magazines, newspapers, presentations, books and eBooks, interactive PDFs and more Graphic designers and production artists are the principal users, creating and laying out periodical publications, posters, and print media.

Video Link:
https://www.youtube.com/watch?v=0LF-gwD9cGg

Courses:
IPVAD, APDMD, Graphic Design Pro, DGWA, DGA

24. Dreamweaver

Description:
Adobe Dreamweaver is an integrated development environment which helps to create, code and manage dynamic websites easily with a smart, simplified coding engine. This allows designers to access code hints to quickly learn and edit HTML, CSS and other web standards. with the use of visual aids to reduce errors and speed up responsive website development.

Video Link:
https://www.youtube.com/watch?v=7xFU_3hMOxU

Courses:
IPVAD, APDMD, Web Pro, DGWA

25. Animate CC

Description:
With Adobe Animate CC you can design interactive vector and bitmap animations for games, and the web. Bring cartoons and banner ads to life. And add action to web banners, presentation and infographics. With Animate, you can quickly publish to multiple platforms and reach viewers on desktop, mobile, and TV.

Video Link:
https://www.youtube.com/watch?v=pmRfrcrrY8s

Courses:
APDMD, DGWA, DGA

26. Unity

Description:
Unity is a cross-platform game engine developed by Unity Technologies,which is primarily used to develop video games and simulations for computers, consoles and mobile devices. First announced only for OS X, at Apple's Worldwide Developers Conference in 2005, it has since been extended to target 27 platforms.

Video Link:
https://www.youtube.com/watch?v=SJplDRtV1Oo

Courses:
IPVAD, DGDI

27. Cinema 4D

Description:
CINEMA 4D is a 3D modeling, animation, motion graphic and rendering application developed by MAXON Computer GmbH in Germany. It is capable of procedural and polygonal/subd modeling, animating, lighting, texturing, rendering, and common features found in 3D modelling applications.

Video Link:
https://www.youtube.com/watch?v=9F9i8Q9nmQs&rel=0&color=ffffff

Courses:
Broadcast Plus

28. Adobe Illustrator

Description:
Adobe Illustrator is a popular program for designing that primarily manipulates vector graphic. It is a vector graphics editor that allows us to create and edit vector graphics images. This application is used for creating drawings, illustrations, and artwork using a Windows or Mac OS computer. It is used to create a variety of digital and printed images, including cartoons, charts, diagrams, graphs, logos, and illustrations. Illustrator also makes it possible to manipulate text in many ways, making Illustrator a useful tool for creating postcards, posters, and other visual designs which use text and images together.

Video Link:
https://www.youtube.com/watch?v=OjDng7MP5pk

Courses:
APDMD, DGWA

29. Zbrush

Description:
ZBrush is a digital sculpting tool that combines 3D/2.5D modeling, texturing and painting. It uses a proprietary "pixol" technology which stores lighting, color, material, and depth information for all objects on the screen. The main difference between ZBrush and more traditional modeling packages is that it is more akin to sculpting.

Video Link:
https://www.youtube.com/watch?v=5Rmrq2xt7P8

Courses:
AD3D Edge, AD3D Edge PLUS, IPVAD

30. Unreal

Description
Unreal Engine is a complete suite of creation tools designed to meet ambitious artistic visions while being flexible enough to ensure success for teams of all sizes. As an established, industry-leading engine, Unreal delivers powerful, proven performance that you can trust.

Video Link:
https://www.youtube.com/watch?v=Vi9xXSN3rmA

Courses:
ADIDG

31. Lumion

Description:
Rendering was once a slow and tedious process. With Lumion, everything's better. As an all-in-one architectural rendering solution, Lumion allows architects to visualize CAD models in a video or image with real-life environments and striking artistic flair.

Video Link:
https://www.youtube.com/watch?v=Gu6z6kIukgg

32. Sketchup

Description:
SketchUp is a premier 3D design software that truly makes 3D modeling for everyone, with a simple to learn yet robust toolset that empowers you to create whatever you can imagine.

Video Link:
https://www.youtube.com/watch?v=-QDjJ67b3kA

33. ActionScript

Description:
ActionScript 3.0 is the language used in a range of tools developed by Adobe, including Animate CC, the Flex framework, and AIR. Using ActionScript 3.0 the students add interactivity to the animations they have built Bringing ideas to life , ActionScript 3.0 is designed to address the following goals Safety, Simplicity, Performance and Compatibility.

Video Link:
https://www.youtube.com/watch?v=cX83rCeCz4A&list=PL533FDD79A546D638

Courses: IPVAD, APDMD, Web Pro, DGWA

APDMD - New Additions

34. Adobe XD

Description:
Adobe XD - The future of experience design. with XD reimagining the way designers create experiences with fast, intuitive tools It's the fastest way to design, prototype and share any user experience, from websites and mobile apps to voice interactions and more. Automatically resize elements for different screens. Create amazing animations between artboards without timelines. It's everything designers need for what's next in UI and UX

Video Link:
https://www.youtube.com/watch?v=KR-AE-yznY4

35. Bootstrap

Description:
With Bootstrap web developers can build responsive, mobile-first projects on the web with the world's most popular front-end component library. Bootstrap is an open source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

Video Link:
https://youtu.be/FMFm9GxB_Eo?t=15

36. JavaScript

Description:
JavaScript (JS) is a lightweight interpreted, just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web pages, many non-browser environments also use it, such as Node.js, Apache CouchDB and Adobe Acrobat. JS is a full-fledged dynamic programming language that, when applied to an HTML document, can provide dynamic interactivity on websites. Students start with small carousels, image galleries, fluctuating layouts, and responses to button clicks

Video Link: https://www.youtube.com/watch?v=CJIp38QLCIo

37. Angular JS

Description:
HTML is great for declaring static documents, but it falters when we try to use it for declaring dynamic views in web-applications. AngularJS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop. AngularJS is a toolset for building the framework most suited to your application development. It is fully extensible and works well with other libraries. Every feature can be modified or replaced to suit a unique development workflow and feature needs for a website .

Video Link:
https://www.youtube.com/watch?v=WAZTZUgeLhQ

38. PHP and MySQL

Description:
PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. With PHP, you can connect to and manipulate databases. MySQL is the most popular database system used with PHP.

Video Link:
https://www.youtube.com/watch?v=qVU3V0A05k8&list=PL0eyrZgxdwhwBToawjm9faF1ixePexft-

39. WordPress

Description:
WordPress is an online, open source website creation tool written in PHP. WordPress is an excellent website platform for a variety of websites. From blogging to e-commerce to business and portfolio websites, WordPress is a versatile CMS.

Video Link:
https://www.youtube.com/watch?v=71EZb94AS1k