Video Production Program Equipment Requirements

Camera: Several cameras are acceptable; the DSLR cameras listed below will work for both Video and Still photography. You can use a dedicated video camera as well. If you go with a dedicated video camera like a Camcorder make sure it has audio input and output, preferably controllable input. A 3-CCD chip sensor, the ability to ad external lighting and monitor, a good zoom range and the battery and memory to record up to 2-4 hours.

Nikon Body's:	Chip	MP	FPS Speed	Cost		Canon Body's:	Chip	MP	FPS Speed	Cost
D3x	FX	24.5	5	7,000		1D x	FF	18.1	14	6,800
D4	FX	16.2	10	6,000		*5D mark 3	FF	22.3	6	3,400
D800-800E	FX	36.3	4	3,100		6D	FF	20.2	4.5	1,900
*D600-610	FX	24.3	6	2,050		7D	APS-C	18	8	1,500
*D7100	DX	24.1	6	1,150						

* Recommended Cameras

Optional DSLR camera:

Panasonic: Lumix DMC-GH4..mirrorless micro 4 thirds, Video interface (NEW)
16mp, 4K video 4096x2160 24p full HD up to 60p , 2-xlr audio inputs, video out monitor
HDMI and 3g-SDI out/ Time code (micro 4/3 lens mount) I like this one best for the video and camera options.

Lenses (DSLR):

You will also need a good medium rang lens with constant aperture for video. About 35-120mm f2.8
Macro lens, Wide angle lens, Fast Prime lenses and super telephoto lenses are optional and extend the capabilities of the camera.

Nikon mount: DX Body only

Nikon:	FX equivalent	Cost	Note:
-Wide:			
10-24mm f4	15-36mm	1100	
-Standard:			
16-85mm f3.5-5.6	24-128mm	560	
16-300mm f3.5-5.6	24-450mm	1000	
Tamron:			
16-300 f3.5-6.3 Di II	24-450mm	?	Good full rang and macro
17-50mm f 2.8 Di-II	26-78mm	650	Good for video

Nikon mount: FX/DX Body's

Nikon:	DX body	Cost:	Note:

	equivalent		
-Wide:			
*16-35mm f4	10-22mm	950	
-Standard:			
*24-120mm f4	16-80mm	1000	Good Video Lens
28-300mm f3.5-5.6	19-200mm	1050	
-Telephoto:			
70-300mm f4.5-5.6	47-200mm	600	
*80-400mm f4.5-5.6	57-275mm	1350	
200-400mm f4	135-270mm	6750	
*105mm f2.8 Micro	70mm	800	Good Macro Lens
70-200mm f2.8	47-135mm	2400	
Tamron:			
24-70mm f2.8	16-47mm	1300	Good video Lens
70-200mm f2.8	47-135mm	1500	

Canon mount: APS-C Sensor Body only

Canon:	FX equivalent	Cost	Note:
-Wide:			
10-22mm f3.5-4.6	15-33mm	650	
16-300mm f3.5-5.6	24-450mm	1000	
-Standard:			
17-85mm f4-5.6 IS	26-128mm	500	
18-200mm f3.5-5.6 IS	27-300mm	700	
Tamron:			
16-300 f3.5-6.3 Di II	24-450mm	?	Good full rang and macro
17-50mm f 2.8 Di-II	26-75mm	650	Good for video

Canon mount: Full frame sensor Body's only

Canon:	DX body equivalent	Cost:	Note:
-Wide:			
*17-40mm f4	11-27mm	840	C
-Standard:			
*24-105mm f4	16-70mm	1150	Good Video Lens
28-300mm f3.5-5.6	19-200mm	2690	C
-Telephoto:			
70-300mm f4.5-5.6	47-200mm	650	C
*100-400mm f4.5-5.6	67-267mm	1700	C
*100mm f2.8 Micro IS	67mm	1050	Good Macro Lens
70-200mm f2.8	47-133mm	2500	C
Tamron:			
24-70mm f2.8	36-105mm	1300	Good video Lens
70-200mm f2.8	105-300mm	1500	

Other equipment:
(2) 32GB Fastest memory cards; Speed: 90mb/s or 600x or class 10. $200
Sturdy Tripod (supports 11+ lbs) $110
Tripod Head, a "fluid" pan/tilt head for video. $200
24" Grey balance card $80
Carrying Case to safely hold all your equipment. $100
Portfolio Case 14x17 $40
Video Light $200
7" Monitor setup $250
Boom Mic. (better) Or Wireless (better yet) separate audio recorder (best) (must to have one)
Headphones

Filters: You will need on for each lens or use a step up ring to
Variable Neutral density $150
Polarizer $50

Optional Video Equipment:
Follow Focus ring
Mounting Rails
Sync slate app on iPod
Reflectors and Skims
Grey Card
C-Stand
Camera battery pac longer life.

Computer:
Mac or PC
Processor: i5 or i7, 3rd 4th or 5th Generation 2.2ghz or faster (ie. i5 3570) or AMD a-10. The video software is very computing intensive so the faster the processor and video cards are the better.
Memory: at least 6gb ram and at least 1Tb of storage internal or external (prefer a SSD system drive)
Input: a Bamboo tablet.
Output: DVD burner and/or Flash drive to transfer files.

Software:
Adobe Creative Suite: school discount $19.99/mo.
Standard Office software