Broadcast and Related Technology Educational/Career Matrix

Other		Manufacturing			System Integration						Related Society of Broadcast Engineers Certifications		Secondary School													Higher Education Programs								
Education	Consultants	Sales	Design	Integration and Maintenance	Sales	Audio	Video	Programming	Wiring	Project management	Broadcast Categories	SBE Certifications	A+ Computer Repair	Computer Network Administration I & II	CADD I & II	Engineering Drawing	Engineering Technology I & II	Introduction to Engineering	Cisco Networking I & II	Telecommunications I & II	Electronics I & II	Electronics and Computer Maintenance	Information Technology Fundamentals	Algebra, Trig, Calculus, Computer Science	Physics & Chemistry	Certificate Electronics Engineering Technology	AAS Electronics Engineering Technology	Electronics Technical School	Computer Technical School	Military Technical School	Electrical Engineering	Electrical Engineering Technology	Computer Engineering	Masters in EE and Masters in EET
						x			x		Broadcast Radio Operators	Certified Radio Operator; CRO						x			x					x								
							x		x		Broadcast Television Operations	Certified Television Operator; CTO						x			x					x								
					x			x			Broadcast and Production Computer Networking	Certified Broadcast Networking Technologist; CBNT	x	x	x				x			x	x	x					x				x	
					x	x	x	x	x		Broadcast Technician	Certified Broadcast Technologist; CBT	x				x	x		x	x					x								
	x	x			x	x					Radio Engineering, Broadcasting, Production	Certified Audio Engineer; CEA	x				x	x	x		x	x	x	x	x	x		x			x	x		
	x	x			x		x				Video Engineering, Broadcasting, Production	Certified Video Engineer; CEV	x	x			x	x	x		x	x	x	x		x		x		x				
x	x	x	x	x	x	x				x	Radio Engineering , Supervisor	Certified Broadcast Radio Engineer; CBRE	x	x			x		x		x	x		x			x	x		x				
x	x	x	x	x	x	x	x			x	Television Engineering, Supervisor	Certified Broadcast Television Engineer; CBTE	x	x	x	x	x	x	x	x	x	x	x	x			x	x		x		x		
x	x	x	x	x	x	x	x	x		x	Engineering, Radio/Management	Certified Senior Radio Engineer; CSRE	x	x	x		x	x	x		x	x		x		x	x	x		x		x		
x	x	x	x	x	x	x	x	x		x	Engineering, RF, Video, Audio, Management	Certified Senior Television Engineer; CSTE	x	x	x	x	x	x	x	x	x	x	x	x			x	x		x	x	x		
x	x	x	x	x	x	x	x			x	Engineering RF, Video, Audio, Management	Certified Professional Broadcast Engineer; CPBE	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x		x	x	x		x
x	x	x	x	x	x						Engineering, Television RF/Transmitters	Verified 8-VSB; 8-VSB					x				x			x	x		x	x		x		x		
x	x	x	x	x	x						Engineering AM Radio Transmitters	Certified AM Directional Specialist; AMD					x				x			x	x	x	x	x		x		x		
x	x	x	x	x	x	x					Digital AM FM Broadcasting	Certified Digital Radio Broadcast Specialist (DRB)	x	x			x		x	x	x					x	x	x	x	x				

Other Related Professional Organizations

Industry	Professional Organizations	Web Sites
Broadcasting	Society of Broadcast Engineers (SBE)	www.sbe.org www.sbe54.org
Audio	Audio Engineering Society (AES)	www.aes.org
Engineering	Institute of Electrical & Electronics Engineers (IEEE)	www.ieee.org
Television	Society of Motion Picture & Television Engineers (SMPTE)	www.smpte.org
Audio Video	InfoComm International	www.infocomm.org
Amateur Radio	American Radio Relay League (ARRL)	www.arrl.org
Broadcasting	National Association of Broadcasters (NAB)	www.nab.com