

# CURRICULUM COMMITTEE SUMMARY

August 22<sup>nd</sup>, 2019

3:00 pm – 5:00 pm

Bonelli Hall 330

## Curriculum Committee Members

**Members Present:** Patrick Backes – Articulation Officer & Curriculum Analyst (Non-voting); Erin Barnthouse – Learning Resources; Mary Bates – Mathematics, Science and Health Professions; David Brill -Visual and Performing Arts; Tricia George – Humanities; Lisa Hooper – Faculty Co-Chair; Julie Hovden – Enrollment Services; Susan Ling – At large member; Anne Marenco - Social and Behavioral Sciences; Saburo Matsumoto – At large member; Jeremy Patrich – At large member; Carly Perl – Adjunct Representative; Garrett Rieck – Noncredit; Cindy Stephens – At large member; Omar Torres – Administrative Co-Chair; Lori Young – Business

**Members Absent:** Steve Erwin – Admissions and Records; Applied Technologies; Physical Education & Athletics – Vacant

## NEW COURSE PROPOSALS – DISCUSSION OF NEED

The following new course proposals will be discussed at this meeting with the authors of the proposals to determine the need of adding the course to our curriculum. The course outlines will not be reviewed at this meeting.

Subject & Number	Title	Rationale for New Course Proposal	Author	Effective
ESYST-121	Iot – Connecting Things	The field of networking is moving in the direction of attaching everything to the network, referred to as the Internet of Things (IoT). This course will provide our students with the opportunity to be ahead of the competition when seeking employment in the field of networking.	L. Hilliard	TBD
ESYST-131	Python Programming	The field of networking is moving in the direction of attaching everything to the network, referred to as the Internet of Things (IoT). The programming language used for these devices is typically python.	L. Hilliard	TBD

**-Motion to adopt the need for and conduct a full review of ESYST-121 & 131; Motion by Julie Hovden, second by Mary Bates. All in favor: Unanimous.**

## NEW COURSE PROPOSALS – FINAL READ

The need for the following new course proposals were approved at previous Curriculum Committee meetings or are a repackaging or existing curriculum. These course outlines were reviewed through a technical review process and will now be reviewed by curriculum committee. The authors are not required to attend this meeting to represent these new course proposals.

Subject & Number	Title	Description of Action	Author	Effective
CCE-200	Introduction to Civic and Community Engagement	<del>3 units, 54 hours lecture, new SLO's (4).</del>	P. Robinson	Spring 2020
CCE-201	Introduction to Community Based Learning	<del>3 units, 54 hours lecture. New SLO's (2).</del>	P. Robinson	Spring 2020
GEOG-109	Physical Geography with Lab	4 units, 54 hours lecture, 54 hours lab. <b>New SLO's (2), New DLA – Hybrid option only.</b> <i>Combination of current GEOG-101 &amp; 101L courses.</i>	J. Patrich	Fall 2020
GEOL-108	Earth Science with Lab	4 units, 54 hours lecture, 54 hours lab. <b>New SLO's (2), New DLA – Hybrid option only.</b> <i>Combination of current GEOL-109 &amp; 109L courses.</i>	J. Patrich	Fall 2020
GEOL-111	Physical Geology with Lab	4 units, 54 hours lecture, 54 hours lab. <b>New SLO's (2), New DLA – Hybrid option only.</b> <i>Combination of current GEOL-101 &amp; 101L courses.</i>	J. Patrich	Fall 2020

**-Motion to approve GEOG-109, GEOL-108, and GEOL-111; Motion by Erin Barnthouse, second by Garrett Rieck. All in favor: Unanimous. Lori Young was not present for this vote, Cindy Stephens abstained from voting as she was away during the review of these courses.**

## NEW PROGRAM PROPOSALS – FINAL READ

The need for the following new program proposals were approved at previous Curriculum Committee meetings. These program outlines were reviewed through a technical review process and will now be reviewed by curriculum committee. The authors are not required to attend this meeting to represent these new program proposals.

Program	Degree/Certificate	Description of Action	Author	Effective
Civic and Community Engagement	Certificate of Achievement	<del>16 total certificate units, new program SLO.</del>	P. Robinson	TBD

## DELETED COURSES– CONSENT CALENDAR

The following course deletions have been recommended for approval as part of the Consent Calendar of this agenda. These course deletions will not be reviewed during this committee meeting, and the author of the following course deletions is not required to attend this meeting.

Subject & Number	Title	Description of Action	Author	Effective
ID-103	Perspective and Interior Illustration	Course will no longer be offered. <i>Course has already been removed from Architectural Drafting and Technology A.S. Degree, Interior Design A.S. Degree, Interior Design Certificate of Achievement, and Interior Decorating - Merchandising Certificate of Achievement</i>	J. Oliver	Fall 2019

## TECHNICAL CHANGES (COURSES) – CONSENT CALENDAR

The following items are being approved as technical changes and will not be reviewed during this committee meeting. The authors of the following items are not required to attend this meeting.

Subject & Number	Title	Description of Action	Author	Effective
BUS-201	Principles of Accounting I	Adding 100% online option to existing hybrid only DLA.	N. Faudree	Fall 2020
BUS-202	Principles of Accounting II	Adding 100% online option to existing hybrid only DLA.	N. Faudree	Fall 2020
CULARTS-130	Pastry Art	Changing co-requisite of CUALRTS-129 to a recommended co-requisite.	C Schwanke	Spring 2020
NC.CSKL-009	Personalized Career Planning	Adding Counseling discipline to minimum qualifications, removing Vocational (short-term) discipline from minimum qualifications.	G. Rieck	Fall 2019
NC.CSKL-010	Strategic Job Search	Adding Counseling discipline to minimum qualifications, removing Vocational (short-term) discipline from minimum qualifications.	G. Rieck	Fall 2019
NC.CSKL-011	LinkedIn for Business	Adding Counseling discipline to minimum qualifications, removing Vocational (short-term) discipline from minimum qualifications.	G. Rieck	Fall 2019
NC.CSKL-012	Job Shadowing	Adding Counseling discipline to minimum qualifications, removing Vocational (short-term) discipline from minimum qualifications.	G. Rieck	Fall 2019
NC.HLTH-001	Adult and Pediatric CPR, First Aid, and AED	Changing to 5 – 16 hours (formerly 16 hours).	G. Rieck	Spring 2020

### MODIFIED PROGRAMS – CONSENT CALENDAR

The following modified programs have been recommended for approval as part of the Consent Calendar of this agenda. These program modifications will not be reviewed during this committee meeting, and the author of the following program modifications is not required to attend this meeting.

Program	Degree/Certificate	Description of Action	Author	Effective
Geography	AA-T Degree	Replace GEOG-101 & 101H with GEOG-109. Adding GEOL-111 as option to GEOL-101 in List B.	J. Patrich	Fall 2020
Geology	AS-T Degree	Replace GEOL-101 & 101L with GEOL-111.	J. Patrich	Fall 2020

### NEW DISTANCE LEARNING ADDENDUMS – CONSENT CALENDAR

The following is a summary of new Distance Learning Addendums (DLA's) that were reviewed in technical review sessions and recommended for approval as part of the Consent Calendar of this agenda. The authors of the following new DLA's are not required to attend this meeting.

Subject & Number	Title	Type of Delivery	Author	Effective
BUS-201	Principles of Accounting I	Adding 100% online option to existing hybrid only DLA.	N. Faudree	Fall 2020
BUS-202	Principles of Accounting II	Adding 100% online option to existing hybrid only DLA.	N. Faudree	Fall 2020
<del>GEOG-109</del>	<del>Physical Geography with Lab</del>	<del>Hybrid option only.</del>	<del>J. Patrich</del>	<del>Fall 2020</del>
<del>GEOL-108</del>	<del>Earth Science with Lab</del>	<del>Hybrid option only.</del>	<del>J. Patrich</del>	<del>Fall 2020</del>
<del>GEOL-111</del>	<del>Physical Geology with Lab</del>	<del>Hybrid option only.</del>	<del>J. Patrich</del>	<del>Fall 2020</del>

### NEW/MODIFIED PREREQUISITES – CONSENT CALENDAR

The following is a summary of new and modified prerequisites that are being approved as part of the Consent Calendar of this agenda.

Subject & Number	Title	Suggested Enrollment Limitation	Author	Effective
CULARTS-130	Pastry Art	Changing co-requisite of CUALRTS-129 to a recommended co-requisite.	C Schwanke	Fall 2020

**-Motion to approve the 08/22/2019 Consent Calendar as presented above; Motion by Mary Bates, second Carly Perl. All in favor: Unanimous.**

## Discussion Items:

- Articulation Report, Patrick Backes

**-UC TCA Submissions.** Courses will be submitted for UC Transferability Status tomorrow. GEOG-109, GEOL-108, GEOL-111 will be included in the submissions. All UC Transfer courses that had their prerequisites modified due to AB-705 (e.g. the “or higher placement language”) also had to be resubmitted. Approvals from these submissions will be effective Fall 2019, which will allow for submission for IGETC for the new courses in December. 2<sup>nd</sup> UC Transfer submission cycle in October will only be for appeals, no new submissions.

**-2019 Five Year List.** 301 total courses on this year’s list as compared to 277 on last year’s.

New Credit Courses	3	Modified Noncredit Courses	-0-	Modified Prerequisites	1
New Noncredit Courses	-0-	New DLA's	-0-	Deleted Courses	1
New Programs	-0-	New SLO's	6	Deleted Programs	-0-
Modified Programs	2	Modified SLO's	-0-	Proposals Reviewed in Technical Review Session	5
Modified Credit Courses	-0-	New Prerequisites	-0-	Proposals Returned from Technical Review Session	-0-

Enclosed: Support letters for the ESYST-121 & 131 new course proposals from Electronic System Technologies Industry partners

## Hilliard, Lee

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**From:** Erick Frias <EFrias@pharmavite.net>  
**Sent:** Monday, December 10, 2018 1:07 PM  
**To:** Hilliard, Lee  
**Subject:** RE: Network Program Changes

Hi Lee,

I agree with the name change to Network Technologies, I think it is more appropriate. The things I mentioned in the Advisory Committee meeting was to eliminate the Network Cabling as a full class which you have done but to incorporate a lesson or two about cabling into the Data Center class.

About the VMware classes, the NETECH-213 provides a solid foundation in virtualization technologies from VMware, NETECH-214 takes the knowledge to a whole new level. Anyone with those two classes would have a good strong understanding of VMware. One thing that I would mention and that it is requested a lot from VMware admins is the knowledge of PowerCLI which is Powershell for VMware.

The NSX class, NETECH-215 is not needed as a VMware admin but it will take their knowledge even further. This class is about Software Defined Networking inside the VMware ecosystem.

Overall I think you have put a lot of thought into the changes for the program and it looks really good, it does provide the core of networking in the Cisco program and very relevant technologies to be implemented for the foreseeable future.

I hope this helps,

Thank you,

**Erick Frias**

Senior Server Engineer, CIT



**Pharmavite LLC**

8510 Balboa Blvd., Suite 100

Northridge, CA 91325

(818) 221-6200

O: 818-221-6713

M: 661-309-7412

[efrias@pharmavite.net](mailto:efrias@pharmavite.net)

**WE ARE MOVING DECEMBER 10, 2018!**

**Our new building address is:**

8531 Fallbrook Avenue

West Hills, CA 91304

**Our new mailing address is:**

PO Box 8531

West Hills, CA 91309

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**From:** Hilliard, Lee <Lee.Hilliard@canyons.edu>

**Sent:** Monday, December 10, 2018 12:27 PM

**To:** Erick Frias <EFrias@pharmavite.net>

**Subject:** Network Program Changes

**WARNING: This email originated outside the organization.**

**Do Not Click links or attachments unless you recognize and trust the sender.**

**REPORT this email as Phishing if you suspect the contents may be unsafe.**

Hi Erick,

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The changes to courses required for the Associate Degree are listed in the attached file NETECH-Matrix. I dropped the Network Cabling Infrastructure class and replaced it with the IoT Connecting Things and Python Programming classes. I also added the MCSA: Windows Server OS class needed for the degree.

I am creating three VMware virtualization classes as I think current industry needs justify them.

I have attached the course content files for the new courses for your review.

Please let me know what you think as I will be using your feedback as justification in our curriculum development process.

Thanks

Lee

Lee Hilliard

College of the Canyons

Santa Clarita, CA 91351

Phone: (661) 362-5869

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## Hilliard, Lee

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**From:** Erick Frias <EFrias@pharmavite.net>  
**Sent:** Monday, December 10, 2018 1:14 PM  
**To:** Hilliard, Lee  
**Subject:** RE: Network Program Changes

The next addition I would have made to the program in the future would be a Cloud training class, I know Amazon contracts out some schools and are looking to expand the academies I believe. UCLA extension offers the AWS cloud training that leads to the entry level admin certification, similar to the Cisco and VMware programs.

I am not sure if Microsoft offers anything similar.

That would be for the future though, if any. But the program as you have it today is solid and a good all around technical base.

---

**From:** Hilliard, Lee <Lee.Hilliard@canyons.edu>  
**Sent:** Monday, December 10, 2018 12:27 PM  
**To:** Erick Frias <EFrias@pharmavite.net>  
**Subject:** Network Program Changes

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## Hilliard, Lee

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**From:** william@lt-wr.com  
**Sent:** Monday, December 10, 2018 1:05 PM  
**To:** Hilliard, Lee  
**Subject:** Re: Network Program Changes

Good afternoon Lee,

I have reviewed the changes and must say that I am very pleased with the new structure. There are a myriad of devices connected to the network now, including door locks, thermostats, cameras, etc and computer networking is extremely limited in scope and the new name will be much more appropriate to what we actually are involved with in the field.

I agree that network cabling is of much less importance than other classes. True, we need to know how to cable, but usually we have people that can do that for us, as we are more valuable in programming devices, rather than physically cabling.

The new subject matter is very valuable to us in that much of it we have had to pick up on our own through osmosis, rather than being trained in those areas. VMWare has a lot of features that many of us never get into and learning more programming of different varieties will be extremely useful.

I look forward to the new changes and am excited to see this may give us transfer options to lead to a bachelor's degree.

Thank you and I appreciate the opportunity to provide feedback.

William

On 2018-12-10 15:15, Hilliard, Lee wrote:  
Hi William,

I am looking to make some changes to the Computer Networking program at College of the Canyons and would like your input. I would like to change the name of the program from Computer Networking to Network Technology as the Internet of Things is now headed toward attaching all types of devices to the network, not just traditional technologies (Computers, printers, multifunction devices, smartphones, etc...). I am also working on creating transfer options for bachelors' degrees in networking with San Jose State University and Northern Arizona University so all the courses will be three units to fit the traditional educational system requirements. This will also work with Assembly Bill 288 (AB288) which was written to provide high school students the opportunity for dual-enrollment in college classes during normal high school hours.

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## Hilliard, Lee

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**From:** Engelkes, Daniel L <Daniel.Engelkes@wwts.com>  
**Sent:** Monday, December 10, 2018 12:06 PM  
**To:** Hilliard, Lee  
**Subject:** RE: Network Program Changes

Learning Microsoft server os should have been a requirement for any networking environment. Also Having the vmare classes is a plus since companies such as Vxi Global solutions uses vmware to access certain webpages. Python programming is another thing that needs to be taught. My current employer uses python programming language for some of their apps.

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**From:** Hilliard, Lee <Lee.Hilliard@canyons.edu>  
**Sent:** Monday, December 10, 2018 11:39 AM  
**To:** Daniel.engelkes@wwts.com  
**Subject:** Network Program Changes

Hi Daniel,

I am looking to make some changes to the Computer Networking program at College of the Canyons and would like your input. I would like to change the name of the program from Computer Networking to Network Technology as the Internet of Things is now headed toward attaching all types of devices to the network, not just traditional technologies (Computers, printers, multifunction devices, smartphones, etc...). I am also working on creating transfer options for bachelors' degrees in networking with San Jose State University and Northern Arizona University so all the courses will be three units to fit the traditional educational system requirements. This will also work with Assembly Bill 288 (AB288) which was written to provide high school students the opportunity for dual-enrollment in college classes during normal high school hours.

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Phone: (661) 362-5869

## Hilliard, Lee

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**From:** Engelkes, Daniel L <Daniel.Engelkes@wwts.com>  
**Sent:** Monday, December 10, 2018 12:19 PM  
**To:** Hilliard, Lee  
**Subject:** RE: Network Program Changes

By reviewing some of the course material for IOT you should make basic electronics a prerequisite in order to take the course. Now for python programming I am not familiar with the structure nor the syntax but I think it would be a good idea if student would already have a good understanding of OOP. Maybe c++ or some of the java programming classes should be a prereq. But then again I am not all to familiar with python.

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**From:** Hilliard, Lee <Lee.Hilliard@canyons.edu>  
**Sent:** Monday, December 10, 2018 11:39 AM  
**To:** Daniel.engelkes@wwts.com  
**Subject:** Network Program Changes

Hi Daniel,

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## Hilliard, Lee

---

**From:** THORNTON, STEVEN <st1634@att.com>  
**Sent:** Monday, December 10, 2018 1:47 PM  
**To:** Hilliard, Lee  
**Subject:** RE: Network Program Changes

Hello Lee

Please give me a call to discuss when you have time. I want to make sure I am looking at the matrix correctly and discuss adding the cabling class back into the fold, I use what I learned in that class almost daily so I think you may want to reconsider removing that course.

The Network Technology name change should help with recognition and the addition of the Python course work is a great idea.

**Steven Thornton**  
ASC 3

M: 213.324.3503  
[st1634@att.com](mailto:st1634@att.com)

AFTER HOURS EMERGENCIES: 877-985-4301  
AT&T  
Rethink Possible

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**From:** Hilliard, Lee [mailto:Lee.Hilliard@canyons.edu]  
**Sent:** Monday, December 10, 2018 12:20 PM  
**To:** THORNTON, STEVEN <st1634@att.com>  
**Subject:** Network Program Changes

Hi Steve,

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## Hilliard, Lee

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**From:** AMELI, SHAWN <MA6499@att.com>  
**Sent:** Sunday, December 30, 2018 4:26 PM  
**To:** Hilliard, Lee  
**Subject:** RE: Network Program Changes

Lee – sorry for the late response on this between being sick and work I am just getting to this. I really like what you have done with these courses. One of the most interesting things that has come up lately is the adoption of SD-WAN technology. I think if COC can offer courses in Viptella and NSX (VeloCloud) it would be fantastic. There is a vacuum right now for folks that know these technologies and their implementation. Let me know if you want to discuss further. Hope you had great holiday and would like to actually see you and chit chat.

### Shawn Ameli

Engagement Manager  
AT&T Consulting & Network Integration  
AT&T Business – Global Business

### AT&T Services, Inc.

600 E Green St, Pasadena, CA 91101  
m 818.687.5323 | f 214.486.1643 | [MA6499@att.com](mailto:MA6499@att.com)

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**From:** Hilliard, Lee <Lee.Hilliard@canyons.edu>  
**Sent:** Monday, December 10, 2018 12:23 PM  
**To:** AMELI, SHAWN <MA6499@att.com>  
**Subject:** Network Program Changes

Hi Shawn,

I am looking to make some changes to the Computer Networking program at College of the Canyons and would like your input. I would like to change the name of the program from Computer Networking to Network Technology as the Internet of Things is now headed toward attaching all types of devices to the network, not just traditional technologies (Computers, printers, multifunction devices, smartphones, etc...). I am also working on creating transfer options for bachelors' degrees in networking with San Jose State University and Northern Arizona University so all the courses will be three units to fit the traditional educational system requirements. This will also work with Assembly Bill 288 (AB288) which was written to provide high school students the opportunity for dual-enrollment in college classes during normal high school hours.

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Santa Clarita, CA 91351  
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## Hilliard, Lee

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**From:** Thomas Chaney <tchaney@hartdistrict.org>  
**Sent:** Tuesday, December 11, 2018 11:01 AM  
**To:** Hilliard, Lee  
**Subject:** Re: Network Program Changes

I think that looks great Lee!

--

Thomas Chaney  
Supervisor of Technology Services  
William S. Hart Union High School District  
661.259.0033 x279

Need help? Please submit a request at: <http://support.hartdistrict.org>

On Mon, Dec 10, 2018 at 12:34 PM Hilliard, Lee <[Lee.Hilliard@canyons.edu](mailto:Lee.Hilliard@canyons.edu)> wrote:

Hi Thomas,

I am looking to make some changes to the Computer Networking program at College of the Canyons and would like your input. I would like to change the name of the program from Computer Networking to Network Technology as the Internet of Things is now headed toward attaching all types of devices to the network, not just traditional technologies (Computers, printers, multifunction devices, smartphones, etc...). I am also working on creating transfer options for bachelors' degrees in networking with San Jose State University and Northern Arizona University so all the courses will be three units to fit the traditional educational system requirements. This will also work with Assembly Bill 288 (AB288) which was written to provide high school students the opportunity for dual-enrollment in college classes during normal high school hours.

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## Hilliard, Lee

---

**From:** Shawn Coleman <scoleman@skusd.k12.ca.us>  
**Sent:** Tuesday, January 8, 2019 7:54 AM  
**To:** Hilliard, Lee  
**Subject:** Re: Program Changes

Hello Lee!

It is good to see the program changing to keep up with the way the job environment and technology changes. I applaud those changes.

I strongly agree with the proposed changes, as they line up more and more with what the industry needs. IoT is "infecting" (if I may be so bold as to use that term) every job site. It is something I have to deal with on a daily basis, and often that means having to deal with the security risk that comes with that, not to mention getting the darn thing on the network to begin with, which some of these little gadgets are not intuitive, let me tell you!

I do lament the loss of the data cabling class. That is something that I think most job sites are still going to need. It is something that I do on a weekly basis. Is it more important than, say Python? No. Looking over the proposed matrix it does seem that you have made the correct choices. However, that doesn't mean the loss isn't felt. If you find yourself combining classes in future for whatever reason, I would cheer you bringing back the cabling classes.

Overall the changes you propose are good, and will benefit your students greatly.

Thanks!

Shawn

On Mon, Jan 7, 2019 at 3:00 PM Hilliard, Lee <[Lee.Hilliard@canyons.edu](mailto:Lee.Hilliard@canyons.edu)> wrote:  
Hi Shawn,

I am looking to make some changes to the Computer Networking program at College of the Canyons and would like your input. I would like to change the name of the program from Computer Networking to Network Technology as the Internet of Things is now headed toward attaching all types of devices to the network, not just traditional technologies (Computers, printers, multifunction devices, smartphones, etc...). I am also working on creating transfer options for bachelors' degrees in networking with San Jose State University and Northern Arizona University so all the courses will be three units to fit the traditional educational system requirements. This will also work with Assembly Bill 288 (AB288) which was written to provide high school students the opportunity for dual-enrollment in college classes during normal high school hours.

The changes to courses required for the Associate Degree are listed in the attached file NETECH-Matrix. I dropped the Network Cabling Infrastructure class and replaced it with the IoT Connecting Things and Python Programming classes. I also added the MCSA: Windows Server OS class needed for the degree.

I am creating three VMware virtualization classes as I think current industry needs justify them.

I have attached the course content files for the new courses for your review.

Please let me know what you think as I will be using your feedback as justification in our curriculum development process.

Thanks

Lee

Lee Hilliard  
College of the Canyons  
Santa Clarita, CA 91351  
Phone: (661) 362-5869