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CAAL
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Agenda Item 5a

September 3, 2009

MEMORANDUM

To: Dr. Bettie Rose Horne, Chair, and Members, Committee on Academic Affairs and Licensing

From: Dr. Gail M. Morrison, Director, Academic Affairs and Licensing

Consideration of Request for Amendments to Existing License to Add New Programs A.A.S., Paralegal Studies; A.A.S., Software Development Technology; B.S., Project Management; B.S., Software Applications Development, ITT Technical Institute, Carmel, IN, at Charleston, Columbia, Conway, and Greenville

Summary

ITT Technical Institute (ITT) (http://www.itt-tech.edu) requests approval of an amendment to its license to offer at sites in Charleston, Conway, Columbia and Greenville a new program leading to the A.A.S. degree in Paralegal Studies and to offer at sites in Columbia and Greenville new programs leading to the A.A.S. degree in Software Development Technology and to the B.S. degree in (1) Project Management and (2) Software Applications Development.

Programs will be offered in traditional format with the option to take courses through ITT Online with permission. With the approval of the Commission and with an acceptable number of enrollments, ITT plans to implement the new programs in Columbia and Greenville in December 2009.

Please refer to Agenda Item 4. for information related to ITT's ownership, institutional accreditation, current enrollment and graduates, loan default rates, admissions standards, faculty credentials, administrative structure, and the two new sites at Charleston and Conway.

The Commission has licensed ITT in Greenville since July 9, 1992, and in Columbia since December 7, 2006. The current facilities in Columbia and Greenville will adequately support the new programs. The Columbia location is at 720 Gracern Road, Suite 120 (off Graystone Boulevard), but the institution has entered into a lease and is renovating a 27,000

square foot new facility at 1628 Browning Road, Suite 180 (off Bush River Road on I-126 frontage road). The Greenville location is at 6 Independence Point (off Roper Mountain Road at I-385).

Tuition is $468 per credit hour and on March 1, 2010, will increase to $493 per credit hour. Computed with current rates, the total tuition is $45,228 for a 96-quarter credit hour associate degree and $84,540 for a 180-quarter-credit hour bachelor's degree.

ITT officials project enrollments in the first years for the new programs as follows:

Enrollment Projections for New Programs	Charleston	Columbia	Conway	Greenville
A.A.S., Paralegal Studies	35	28	35	28
A.A.S., Software Development Technology	*	28	*	28
B.S., Project Management (2011)	*	13	*	13
B.S., Software Applications Development (2011)	*	13	*	13

*ITT does not anticipate offering these programs within the next two years in Charleston or Conway.

The following are descriptions and curricula outlines for each new program.

A.A.S., Paralegal Studies

ITT requests amendment of its current South Carolina license to add a new program leading to the A.A.S. degree in Paralegal Studies at its existing sites in Columbia and Greenville and to offer it at the new sites in Charleston and Conway.

The program leading to the A.A.S. degree in Paralegal Students prepares students for entry-level positions as paralegals. Broad areas of study include ethics, legal research, writing, and law office technology. Specific areas include criminal law, corporate law, and litigation. Graduates of this program may begin their careers in a variety of entry-level positions such as corporate paralegal, real estate paralegal, litigation paralegal, and court paralegal.

A.A.S., Paralegal Studies		
Course Number	**Course**	**Credit Hours**
GE117	Composition I	4
GE127	College Mathematics I	4
GE150	Survey of the Sciences	4
GE172	State and Local Government	4
GE184	Problem Solving	4
GE217	Composition II	4
GE375	Psychology	4
	General Education Subtotal	**28**
PL101	Introduction to Paralegal Studies	4
PL102	Ethics for Paralegals	4
PL103	Technology in the Law Office	4
PL104	Wills, Trusts and Estates	4
PL105	Real Estate Law	4
PL106	Legal Research and Writing I	4
CJ123	Criminal Law	4
PL201	Family Law	4
PL202	Civil Litigation	4
PL206	Legal Research and Writing II	4
PL207	Contract Law	4
PL208	Tort Law	4
PL299	Paralegal Capstone	4
	Core Subtotal	**52**
TB133	Strategies for the Technical Professional	4
TB150	Computing and Productivity Software	4
	Technical Basic Subtotal	**8**
	Unspecified Elective Core courses: BU222, CJ333 and PL270	8
	Total	**96**

The Standing Committee on Paralegals of the American Bar Association is the specialized programmatic accrediting agency for paralegal studies programs. ITT does not hold and does not plan to seek specialized accreditation. Practitioner licensure or certification is not required for employment.

According to the U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook,* employment in this field is projected to grow much faster than the average for all occupations as employers try to reduce costs by hiring paralegals to perform tasks once done by lawyers. Experienced, formally trained paralegals should have the best employment opportunities.

Central Carolina, Florence-Darlington, Greenville, Horry-Georgetown, Midlands, Orangeburg-Calhoun, and Technical College of the Lowcountry technical colleges offer programs leading to the Associate degree in Public Service with a concentration in Paralegal Studies. For-profit colleges and universities that offer programs in paralegal studies are Forrest

Junior (A.A.S.), Miller-Motte (A.A.S.), South (A.S., B.S.), Strayer (B.B.A., Legal Studies and B.S., International Business, Legal Studies), and Virginia (A.A.S).

A.A.S., Software Development Technology

ITT requests amendment of its current South Carolina license to add a new program leading to the A.A.S. degree in Software Development Technology at its existing sites in Columbia and Greenville.

The purpose of the program leading to the A.A.S. degree in Software Development Technology is to teach knowledge and skills that enable graduates to pursue entry-level positions involving computer software development. Graduates may begin their careers in a variety of entry-level positions involving software development skills such as application developer, junior programmer, Web applications developer, database developer, software support technician, and software tester.

A.A.S., Software Development Technology		
Course Number	**Course**	**Credit Hours**
GE117	Composition I	4
GE127	College Mathematics I	4
GE184	Problem Solving	4
GE192	College Mathematics II	4
GE217	Composition II	4
GE347	Group Dynamics	4
EG360	Introductory Calculus	4
	General Education Subtotal	**28**
CS100	Introduction to Programming	4
CS110	Introduction to Web Applications	4
CS111	Client-Side Web Scripting	4
CS120	Programming in Visual Basic	4
CS130	Introduction to Databases	4
CS140	Business Concepts for Application Developers	4
CS200	Programming in Java I	4
CS201	Programming in Java II	4
CS210	Web Authoring and Design	4
CS220	Server-Side Web Programming	4
CS240	Software Development Lifecycles	4
CS250	Open Source Application Programming	4
CS280	Web Security and Ethics	4
CS290	Software Development Capstone Project	4
	Core Subtotal	**56**
TB133	Strategies for the Technical Professional+	4
TB143	Introduction to Personal Computers+	4
TB332	Professional Procedures and Portfolio Development+	4
	Technical Basic Subtotal	**12**
	Total	**96**

The Accrediting Board for Engineering and Technology, Inc., (ABET) accredits engineering programs at the baccalaureate and master's level; engineering technology programs at the associate and baccalaureate level; computing programs at the baccalaureate level, and applied science programs at the associate, baccalaureate, and master's level. ITT does not hold and does not plan to seek specialized accreditation. Practitioner licensure or certification is not required for employment.

The U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook* projects employment of computer software engineers will increase by 38 percent over the 2006 to 2016 period, which is much faster than the average for all occupations. Employment growth will result as businesses and other organizations adopt and integrate new technologies and seek to maximize the efficiency of their computer systems. Competition among businesses will continue to create incentives for sophisticated technological innovations, and organizations will need more computer software engineers to implement these changes.

Fifteen public technical colleges offer programs leading to the Associate degree in Computer Technology. Limestone College offers programs leading to the A.S. degree and the A.A. degree in Computer Programming. South University offers a program leading to the A.S. degree in Information Technology.

B.S., Project Management

ITT requests amendment of its current South Carolina license to add a new program leading to the A.A.S. degree in Project Management at its existing sites in Columbia and Greenville.

The program leading to the B.S. degree in Project Management teaches knowledge and skills to help participate in and lead the management of a variety of project types. The program offers students the opportunity to learn and practice the techniques of initiating, planning, organizing, staffing, guiding, monitoring and controlling a project through an integrated process to meet identified requirements on time and on budget. The program is also designed to foster critical thinking, analysis, and communication skills. A variety of types and sizes of businesses, government agencies and other organizations use project teams to help accomplish their goals. Graduates may begin their careers in entry-level positions as a project team member, project coordinator, project scheduler, project resource coordinator, or project manager.

B.S., Project Management		
Course Number	**Course**	**Credit Hours**
	Unspecified general education courses must include at least one course in each of the following categories: the humanities, composition, mathematics and the social sciences.	24
EG351	Social Psychology	4
EG371	Research Methods	4
EG372	Written Analysis	4
EG381	Statistics	4
EG453	Political Issues and the Economy	4
EG462	Contemporary World Culture	4
EG468	Ethics	4
EG481	Environmental Issues	4
	General Education Subtotal	**56**
	Unspecified Core courses may be accumulated from one selected discipline of study relating to the student's career path.	40
PM331	Overview of Digital Technology	4
PM332	Project Management Techniques	4
PM333	Project Communication and Documentation	4
PM341	Project Cost and Budget Management	4
PM342	Project Procurement and Contract Management	4
PM351	Project Human Resource Management	4
PM352	Project Quality Management	4
PM361	Introduction to Project Management	4
PM453	Project Risk Management	4
PM454	Leadership and Project Team Management	4
PM462	Management of Global Projects	4
PM468	Project Management Integration I (Capstone Project)	4
PM469	Project Management Integration II (Capstone Project)	4
	Core Subtotal	**92**
	Unspecified elective courses	32
	Total	**180**

There is no recognized specialized programmatic accrediting agency for project management. Practitioner licensure or certification is not required for employment.

The U.S. Department of Labor, Bureau of Labor Statistics, *Occupational Outlook Handbook* lists project management functions within several management and administration categories including cost estimators, computer and information system managers, construction management, office and administrative support supervisors and managers, management analysts, computer software engineers, and commercial and industrial designers. Because the field is quite broad, BLS does not list employment information specific to project managers. The Professional Management Institute (www.pmi.org), a professional certification organization, also lists many occupations in which project management skills are embedded, including information technology, financial services, business services, telecommunications, government/public administration, health care, and pharmaceuticals.

No other institution in South Carolina offers a bachelor's degree major in project management. However, 12 public, 21 independent, and eight licensed nonpublic institutions in the state offer bachelor's level business and management programs. These programs may include one to three project-management oriented courses whereas ITT's PM curriculum includes 54 quarter-credit-hours in project management.

B.S., Software Applications Development

ITT requests amendment of its current South Carolina license to add a new program leading to the A.A.S. degree in Software Applications Development at its existing sites in Columbia and Greenville.

The purpose of the program leading to the B.S. degree in Software Applications Development is to teach knowledge and skills needed to pursue career opportunities in areas involving software design and development, systems analysis, programming, process design and management, and other areas related to computer software production and deployment. Graduates of this program may pursue career opportunities involving the design, development and implementation of software-based solutions and products for business and consumer markets. Entry-level positions may include software developer, software programmer, application developer, Web application developer, software engineer, software applications analyst, Web applications analyst, Web applications specialist and software applications specialist.

B.S., Software Applications Development		
Course Number	**Course**	**Credit Hours**
	Unspecified General Education courses	24
EG371	Research Methods	4
EG372	Written Analysis	4
EG381	Statistics	4
EG421	Numerical Methods	4
EG452	Economics and Change	4
EG462	Contemporary World Culture	4
EG468	Ethics	4
EG481	Environmental Issues	4
	General Education Subtotal	56
	Unspecified Core courses TB143, CS100, CS110, CS111 CS120, CS130, CS200, CS201, CS240 and CS250	40
CS300	Application Design	4
CS302	Data Structures with Java	4
CS310	Programming in C++	4
CS320	Programming in C#	4
CS330	Database Design and Implementation	4
CS331	.NET Framework Programming	4
CS333	Enterprise Applications with Java	4
CS340	Software Engineering	4
CS400	Web Services and Applications	4
CS410	Enterprise Applications with .NET	4
CS420	Application Security	4
CS430	Database Administration and Optimization	4
CS490	Software Development Senior Project	4
	Core Subtotal	**92**
	Unspecified Elective courses	32
	Total	**180**

The Accrediting Board for Engineering and Technology, Inc., (ABET) accredits college and university programs in applied science, computing, engineering, and technology. ITT does not hold and does not plan to seek specialized accreditation. Practitioner licensure or certification is not required for employment.

The U.S. Department of Labor, Bureau of Labor Statistics (BLS), *Occupational Outlook* Handbook includes programmers, software engineers and web developers in the category computer scientists and database administrators. According to the BLS, employment of computer programmers is expected to decline by four percent through 2016. Job prospects will be best for applicants with a bachelor's degree and experience with a variety of programming languages and tools. However, software engineer is projected to be one of the fastest growing occupations as businesses look for new ways to get ahead of competition and make their computer systems more efficient. Also, employment of web developers is expected to grow

about as fast as the average for all occupations.

Limestone College offers a program leading to the B.S. degree in Computer Programming. Clemson, Coastal Carolina, College of Charleston, Francis Marion, SC State, The Citadel, U.S.C.-Aiken, U.S.C.–Columbia, U.S.C.–Upstate, and Winthrop; Benedict, Bob Jones, Claflin, Coker, Converse, Furman, Limestone, Newberry, Presbyterian, Southern Wesleyan, Voorhees, and Wofford; Saint Leo, Strayer, University of Phoenix, and Webster all offer bachelor's degree programs in computer science.

Recommendation

The staff recommends that the Committee on Academic Affairs and Licensing commend favorably to the Commission an amendment to the license of ITT Technical Institution to offer at sites in Charleston, Conway, Columbia and Greenville a program leading to the A.A.S. degree in Paralegal Studies and to offer at sites in Columbia and Greenville programs leading to the A.A.S. degree in Software Development Technology and to the B.S. degree in (1) Project Management and (2) Software Applications Development.