

Minutes of the Board of Regents Academic Advisory Committee for Computing Disciplines

February 5-6, 2004
Valdosta State University

Chair Tom Carnevale called the meeting to order at 1:00 p.m. on February 5, 2004, welcoming the group to Valdosta State University. Doctor Louis Levy, Vice President of Academic Affairs of Valdosta State University, officially welcomed the group on behalf of VSU's administration and faculty. Attendees introduced themselves and indicated the institution that they represented. Tom went over the agenda and pointed out the critical issues that the group needed to focus on during the meeting.

Kris Biesinger gave an update from the Board of Regents office, including information on enrollment and budget issues, regionalization/centralization of certain University System services, and several new programs under examination by the Board of Regents office. These included the Multi-Institutional Functionality Project, the "Education Go-Get-It" program, the Prospective Student Portal, and the graduation task force. She also updated the group on the status of faculty workload concerns, WebCT Vista, and the online Bachelor of Science in Information Technology degree. Following her presentation, she answered questions from the group.

Bob Cook

Tom then passed on some additional information that was pertinent to the group's objectives, including excerpts from Dan Papp's memorandum on Georgia performance standards, and the status of the Georgia Tech computing for engineers' course. The status of the Area F core curriculum requirements for computer science was renewed, as the requirements as stated on the Board of Regents web site match neither the prior recommendations of the committee nor the current status of Area F in the schools present. The Executive Committee took the action item to compose a formal resolution to correct this situation to bring before the group on Friday. Several issues concerning the information sciences curriculum were brought up, including ABET accreditation and definition of requirements. Information technology issues mentioned as needing to be addressed were the amount of specificity needed in core course requirements, particularly mathematics requirements, and the committee's responsibility, if any, for Bachelor of Applied Science in Information Technology programs. These additional issues were referred to the appropriate subcommittees.

Following a break, the executive committee, CS1301/1302 learning outcomes subcommittee, and Area F subcommittees for computer science/information systems and information technology met.

Subcommittee meetings adjourned between 5:00 p.m. and 5:30 p.m. Members of the group continued informal discussions at various locations over dinner.

The meeting reconvened at 9:00 on Friday morning. Tom Carnevale began by reporting on behalf of the executive committee. The committee meeting for the 2004-2005 academic year is scheduled to be held at Georgia Perimeter College, Dunwoody Campus, on February 3-4, 2005. The executive committee's slate of nominees for the two open positions on the committee was presented, with Bob Cook of Georgia Southern University the nominee for chair-elect and Susan Glenn of Gordon College the nominee for the open at-large position.

Gerald Adkins (Georgia College and State University) passed out an update form for his ongoing language survey for the CS 1301/1302 courses. Attendees were asked to either return the form or email updated information to him. The survey results are kept up to date on his web site at <http://turing.gcsu.edu/~gadkins/LanguageTextSurvey.htm>.

Potential faculty development workshops for next year's meetings were discussed. Topics suggested were WebVista, use of PDAs in programming courses, and computer security.

Roger Lamprey (North Georgia College and State University) presented a report from the computer science/information sciences Area F subcommittee. The subcommittee had two draft recommendations, one for the Area F core curriculum in each area. The computer science recommendation as written was identical to one sent forward several years ago, and Wanda Eanes (Macon State College) volunteered to find committee minutes showing that this was the case and the current Area F recommendations on the Board of Regents web site were never endorsed by the committee.

Roger then presented the draft recommendation for Area F core curriculum for Bachelor of Science degrees in information systems/computer information systems. After comments and discussion, it was decided to send out the draft recommendation to all schools for further comment before voting to send the measure forward to the Board of Regents.

Larry Booth (Clayton College and State University) reported on the progress of the information technology Area F subcommittee. The Area F recommendation is in conformance with the online Bachelor of Science in Information Technology program; however, there was discussion on whether the Area F mathematics course should be more closely specified than currently worded.

Jeff Chastine (Clayton College and State University) reported for the CS1301/1302 Area F learning outcomes subcommittee. The group worked from the Association for Computing Machinery Computing Curriculum 2001 document, making some modifications to better fit the courses as originally defined.

After a break, the official business meeting convened at 10:50 a.m.

The executive committee formally presented the nominees for chair-elect, Bob Cook, and member at large, Susan Glenn. This slate was approved unanimously by voice vote.

On behalf of the Area F computer science subcommittee, Roger Lamprey formally presented the computer science Area F requirements recommendation, which was unanimously approved by voice vote.

Wayne Summers (Columbus College and State University) moved that the recommended outcomes for the Area F computer science course sequence be accepted with the clarifications discussed previously. Jeff Chastine seconded the motion. After some further discussion, the recommendation was accepted as proposed.

Roger Lamprey moved that the recommendations for the Area F information systems curriculum be accepted with the previously discussed changes, sent out for comment, and sent forward to the entire committee for approval and forwarding to the Board of Regents as soon as possible. Bob Cook seconded the motion, which was approved unanimously.

On behalf of the Area F information technology subcommittee, Larry Booth moved that the subcommittee recommendation, with an updated list of appropriate mathematics courses, be approved and forwarded to the Board of Regents. After acceptance of a friendly amendment to add a statement under Additional Information that these requirements do not apply to Bachelor of Applied Science in Information Technology degrees, the recommendation was approved unanimously.

Bob Cook moved that the committee recommend the Board of Regents study the feasibility of providing Association for Computing Machinery Digital Library access through the GALILEO system for all 34 Board of Regents institutions. Wayne Summers seconded the motion. There was discussion of whether the two year schools should be included in this access, with the two year faculty stating that their institutions could certainly benefit from this access, particularly for distance learning courses. It was suggested that this proposal could tie in very well with the Multi-Institutional Functionality Project. Kris Biesinger pointed out that pricing of this access will be a big issue, and that the recommendation as written needs a statement of what the Association for Computing Machinery is and that the Digital Library is a recommended resource under program accreditation requirements, which is a concern for many school's programs. The motion was then approved unanimously by the committee.

Charles Fowler (Gainesville College) proposed that the group thank Tom Carnevale and Valdosta State University for hosting the meeting.

The meeting was adjourned at 11:30 a.m.

Respectfully submitted,

Julia E. Benson
Chair-Elect/Recording Secretary

**RECOMMENDATION
FROM THE
UNIVERSITY SYSTEM OF GEORGIA ACADEMIC COMMITTEE**

COMMITTEE ON: Academic Advisory Committee for the Computing Disciplines

CHAIRPERSON: Dr. Thomas A. Carnevale

DATE: February 6, 2004

RECOMMENDATION

Computer Science Area F Requirements (18 hours)

Eighteen (18) semester hours in lower division (1000- or 2000- level) courses related to Computer Science and/or prerequisite to higher level courses.

Areas

Credit Hours

Computer Science
CS 1301 – 1302 or institutional equivalent

6 – 8 hours

Calculus
Required completion of Calculus 1 & 2

2 – 8 hours

Program Specific Electives
Selected from computer science, lab sciences for science/math majors, and math/statistics excluding Area A courses in college algebra and math modeling

2 – 10 hours

RATIONALE

The recommendations described above represent what the committee believed to have been recommended in January, 2003 and subsequently implemented. This evidently is not the case.

Existing programs in the University System of Georgia comply with this Area F specification.

Further, the requirements are consistent with both the computer-science standards of ABET, the accepted accreditation body for computer-science programs, and the model curricula from ACM, the computer-science professional/academic organization.

ADDITIONAL INFORMATION

The 6 - 8 hours of computer science recommendation is typically CS 1301 and is an introductory programming sequence.

The 2 - 8 hour calculus requirement provides for completion of the first year of a calculus sequence - a requirement that is typical of most Bachelor of Science degrees.

As the name implies, the remaining hours are program specific and provide for science and or mathematics requirements. This requirement is consistent with the intent of Area F requirements as specified in BOR Policy 303.01:

Lower division courses related to the discipline(s) of the program of study and courses that are prerequisite to major courses at higher levels.

**RECOMMENDATION
FROM THE
UNIVERSITY SYSTEM OF GEORGIA ACADEMIC COMMITTEE**

COMMITTEE ON: Academic Advisory Committee for the Computing Disciplines

CHAIRPERSON: Dr. Thomas A. Carnevale

DATE: February 20, 2004

RECOMMENDATION

Information Technology Area F Requirements (18 hours)

Eighteen (18) semester hours in lower division (1000- or 2000- level) courses related to Information Technology and/or prerequisite to higher level courses.

<u>Areas</u>	<u>Credit Hours</u>
Programming Courses	6 – 8 hours
Introduction to Information Technology	2 – 3 hours
Mathematics	2 – 4 hours
Finite Math, Discrete Math, Calculus, or Statistics	
Program Specific Electives	3 – 8 hours
Selected from Information Technology, Mathematics, Computer Science, or an IT Application Area	

RATIONALE

The above requirements are consistent with:

- ACM SIGIT's draft accreditation guidelines
- Proposed WebBSIT Area F
- Degrees offered by most USG IT programs

ADDITIONAL INFORMATION

AACD will continue to monitor developments in evolving accreditation standards for Information Technology. If modifications are indicated at a later date, we will review and revise these recommendations as necessary.