

**Nashville State Community College
School of Science, Technology, Engineering, and Mathematics (STEM)
Computer Information Technology
Course Syllabus**

CITC 2371 Mobile Networks & Communication

This syllabus sets forth the expectations for course content, work, and grading as well as expectations for student performance and conduct. The syllabus does not constitute a contract between the student and the instructor or the College. The information contained here is subject to change at any time. Students will be notified if any changes are made. Though changes are possible, it is expected that the course will be conducted as described in this syllabus.

Course Information:

Course Title: CITC-2371 Mobile Networks & Communication

Credits: 3

Class Hours: 2 Class, 2 Lab

Course Description:

An introduction to mobile networks and wireless communications, including wireless technology and architecture, types of wireless networks, design approaches to wireless networks, and applications used in wireless infrastructures. Topics include the technical background of data communications, wireless communication technology, wireless networking, and wireless LANs.

Prerequisite(s): CITC 1320

Instructor Information:

Name:

Office:

Email:

Office Hours:

Required Textbook(s) & Other Materials:

Textbook(s): CWTS, CWS, and CWT Complete Study Guide, 2018 Bartz, Sybex

ISBN: 978-1-11938-503-5

Reference Materials & Supplies: None

Once enrolled, all students should verify that they have the correct textbook and materials information by consulting the D2L/NS Online shell for the course. If you are registered with the Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center at 615-353-3721, 615-353-3741, or accesscenter@nscc.edu.

Course Outcomes:

Upon successful completion of this course, students should be able to:

- Configure mobile to device to connect to corporate email
- Configure mobile device to sync with local calendar
- Understand mobile security implications

- Troubleshoot mobile device
- Understand wireless technologies

Course Competencies:

The following are detailed course competencies intended to support the course outcomes:

- Be able to configure mobile device to connect to corporate email
- Be able to configure mobile device to sync with local calendar
- Demonstrate understanding of mobile security implications
- Demonstrate the knowledge needed to troubleshoot mobile device
- Demonstrate an understanding of wireless technologies

Topics to Be Covered:

Topics covered are listed in the course description.

- Networking concepts and the OSI model
- Network infrastructure and technologies
- Radio frequency principles
- Cellular technologies
- Wi-Fi client technologies
- Planning for mobile devices
- Implementing mobile device infrastructure
- Mobile security technologies
- Troubleshooting network issues
- Monitoring and troubleshooting mobile security
- Troubleshooting client issues

Course Assessments:

The following performance assessments will be used to demonstrate students' understanding, knowledge, and skills:

- Students will complete quizzes and exams to demonstrate their individual competency in the application of concepts used in the assigned exercises. Specific criteria for evaluation of these tests are included in the grading policy shown below.
- Students will perform as team members in the completion of case project exercises that require individual contributions to the team's solution. Criteria for performance will be based on established criteria that include all necessary components used in the solution of the exercise, as detailed in the grading policy below.
- Students' ability to ask and respond to questions will be measured through a series of assigned hands-on and productivity tasks completed both individually and in teams within required specifications. Criteria for evaluation of performance will include accurate and efficient application of technical skills and knowledge as well as appropriate behaviors and attitudes. For example, students will be observed to determine the degree to which they ask relevant questions, remain open to ideas, think critically, adapt what they know to new information, approach work with inventiveness and enthusiasm, use precise language when communicating, set and meet deadlines, and so on. Students will participate in scenarios; an observation tool (checklist or matrix) will be used to document findings. Team productivity grades will result from these observations.

Grading Policy:

Requirements to pass the course:

- Written assignments will periodically be assigned for you do outside of class. Along with the required reading on given topics from articles and/or the Internet, the homework will guide you and require summarizing key points, conducting research, answering questions or leading class discussions.
- The best experience for some will be knowledge gained from activities, events, and class interactions. Be prepared by reading assigned topics before class and making notes. Cooperate with teams on group work, ask relevant questions, share experiences, delve deep into research and learning projects and respond when called upon. Bring your 3-ring folder with pockets to each class session as well as a writing instrument. Be willing to complete assigned tasks and though assistance may be required, making an effort and well as utilizing resources is essential.

| Area | Percent | Points |
|------------------------|---------|--------|
| Discussions | 10% | 100 |
| Labs (Assignments) | 40% | 400 |
| Quizzes | 30% | 300 |
| Final Exam | 10% | 100 |
| Final Reflection Paper | 10% | 100 |
| Total | 100% | 1000 |

Grading Scale:

| Letter Grade | Percentage Range |
|--------------|------------------|
| A | 90 – 100 |
| B | 80 – 89 |
| C | 70 – 79 |
| D | 60 – 69 |
| F | Less than 60 |

FA Grade:

According to NSCC policy, an FA is awarded to students who do not officially withdraw from a course and do not attend after the cut-off date provided in the academic calendar. Please refer to the current academic calendar available on the Nashville State web site, look for the date that indicates it is the “Last Day to Earn F for Attendance (FA).” Students who stop attending on or before this date receive an FA; students who stop attending after this date receive an F. **This date is Oct 30, 2020.**

For online courses, attendance is defined by submission of assignments. Students who fail a course and whose last assignment is submitted on or before the FA date will earn an FA for the

course. Students who fail a course and whose last assignment is submitted after the FA date will earn an F for the course. An FN is assigned to students who do not submit any assignments.

FN Grade:

An FN is awarded to students who never attended class.

W Grade:

The last day to withdraw from a course with a W is (Oct 30, 2020).

Late Work Policy & Make-up Procedures for Missed Assignments and Work:

Students will have a week from the start date and until the due date to post their homework assignments, skills tests, and group projects. After the due date students will have a three-day grace period until the end date.

Homework assignments, skills tests and group projects posted during the grace period will incur a twenty percent (20%) penalty. No submissions will be accepted after the end date. Exams (quizzes) will be scheduled for a day and must be taken on the date these tests will be scheduled. Final Exam will be administered in a proctored setting at NSCC in the classroom or in designated room.

Attendance Policy

The College is not an attendance taking institution as defined by 34 CFR 668.22(b)(1) in the Code of Federal Regulations; however, students are expected to attend all scheduled classes and laboratories.

- Absences in a course may affect a student's final grade.
- Tardiness may also affect a student's final grade.
- Students are responsible for all work/tests that occur during any missed class session(s) regardless of reason(s) for absence.
- Students who are sick or not well enough to attend class must notify the instructor as soon as possible before the scheduled class time, unless incapacitated or unable to do so. In that case, students must contact the instructor as soon as reasonably possible.
- If a student has an unavoidable conflict with a scheduled class session, students must notify the instructor, preferably before the class session, or as soon as possible.

For purposes of financial aid continued attendance is determined via engagement in the course. This can be accomplished in several ways including, but not limited to, continued attendance and/or participation in on-ground class sessions, participating in D2L as prompted (e.g., responding to an instructor's email, posting to a discussion board), and/or completing and submitting assignments.)

To the extent that attendance is kept in this class it is not for the purpose of the College but is instead associated with the instructor's individual grading rubric. The attendance policy for this class is:

- Tardiness may also affect students' final grades. Late arrivals in class should not exceed fifteen (15) minutes. Students must notify instructor of any absences associated with excusable medical, family, and logistical extenuating circumstances and submit documentation and/or an explanation in relation to a lecture missed.
- Doctor's visits should also be sent over email or in person before the anticipated absence from class.
- Students who know beforehand that they will not be able to attend a lecture, must send a note to that effect to the instructor. See instructor's email address in the Instructor Information section.
- Overall number of unexcused absences should not exceed two (2) class sessions. Third absence entails a warning, while the fourth absence will lead to a Failure for Attendance Reasons (FA) grade.

Technology Statement

- All classes at the College are web enhanced.
- It will be essential for students to have access to a computer and an internet connection to complete assignments, engage in online discussions, and access various course materials through D2L/NS Online course shells.
- Students may also be required to use free video conferencing platforms (ex: Zoom, Teams) for classes and meetings.
- Students will be responsible for appropriate dress while on video, to ensure a distraction free environment (mute sound as needed) and to ensure their background is neutral for others to view.
- If you have questions or concerns regarding access to a computer or internet resources, please contact your instructor. Additional information available: <https://www.nsc.edu/current-students/student-online-resources/access-to-internet-and-technology>.
- Certain publisher materials may not work on cellphones.

Computer Labs

Computers are available for student use at each campus during campus open hours. Open computer lab availability may vary from campus to campus.

Students should check NSCC website for current hours of operation.

D2L/NS Online and myNSCC

It is students' responsibility to check D2L/NS Online course shells for all enrolled courses and myNSCC, including student email, on a regular basis. These are the official communication channels between the college and students, who are responsible for the information communicated through those channels. D2L/NS Online contains specific course information and myNSCC contains information important for other purposes.

ADA Compliance Statement

Nashville State complies with the Americans with Disabilities Act (ADA). If you require accommodations for any courses in which you are enrolled, contact the Access Center at 615.353.3741 or 615.353.3721, or e-mail accesscenter@nsc.edu. If you are registered with the

Access Center and require an alternate format for the textbook and other course materials, please contact the Access Center.

Classroom Misconduct

Nashville State Community College has a zero-tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary measures. Please review the Nashville State Student Code of Conduct policy. Please be aware that children are not allowed in class or to be left unattended on campus.

Academic Misconduct

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. Students are responsible for understanding and abiding by the Academic Misconduct Policy in the Nashville State Student Code of Conduct. In addition to other possible disciplinary measures that may be applied through regular college procedures as a result of academic dishonesty, the instructor has the authority to assign an “F” or a “zero” for the exercise, paper, or examination, or to assign an “F” for the course. Students may appeal through the appropriate college grade appeal procedures.

Academic Early Alert System

Nashville State Community College uses an Early Alert System to let students know of a faculty member’s concern in one or more of these academic areas: lack of attendance, lack of classroom participation, late or missing assignments, and/or poor performance on assignments/tests.

*Please note that Early Alerts do not affect a student’s academic standing. If you receive an Early Alert email, please see your instructor and your academic advisor as soon as possible.

RAVE Emergency Alert System

Emergency events can happen at any time, and Nashville State Community College wants to notify students if and when they occur. For this reason, all students have been enrolled in the free RAVE alert system. If you have not already done so, please log in at <https://www.getrave.com/login/nscc> to confirm and update your contact information and notification preferences. It is critical that your information be correct so that you will receive any emergency notifications. Your RAVE Username is your NSCC email address. If you've never received an email from RAVE with your password, or if you need to reset your password, select “Forgot your password?” and a new password will be emailed to you. Should the RAVE system indicate “user not found”, select Register and create your own RAVE account.

Student Wellness

The general well-being of students is an important component of their academic success. With this in mind, Nashville State Community College has several resources available to provide support when needed:

- Students with general, non-academic questions and concerns about COVID-19 may email virusinfo@nscc.edu.
- Five free telephone therapy sessions are available via Agape Counseling by calling 615-781-3000.
- Online tutoring is available via NetTutor within the D2L course shells.

- A comprehensive list of online student resources may be found at <https://www.nsc.edu/current-students/student-online-resources>
- A comprehensive list of student support services may be found at <https://www.nsc.edu/current-students/on-campus-resources/student-support-services>

Equity Statement

Nashville State Community College has a relentless commitment to the transformation of our institution through the intentional design of college experiences that expect and promote excellence from students, faculty, staff and administration. We consider equity to be an obligation of higher education. We strive to ensure that each student receives what that student needs to be successful, with goals of success beyond the classroom. We do this through an evidence-based and collaborative effort, understanding that our student population has diverse needs that must be addressed. We recognize that this effort may not always be comfortable and that partnering with students is the driving force to overcome barriers to success.

Inclement Weather & Campus Closings

Nashville State will use the RAVE alert system to send a text message to students, staff, and faculty about adjusted hours of operation and/or closings at individual campuses. All students should check the Nashville State web site home page at www.nsc.edu for announcements on campus closures, which may vary from campus to campus. Campus closures will also be announced on local television stations. Students should use their own best judgment in determining whether to report to campus during inclement weather when classes are not cancelled.

Even when campuses are closed, students are still

responsible for completing all assigned work. When classes are cancelled, faculty will post online assignments and any additional instructions in the D2L/NS Online course shell. Check D2L/NS Online for a message from your instructor regarding your online assignment requirements. Faculty have discretion over adjusting deadlines or due date for assignments, but students are responsible for completing all assigned work by the due date established by the instructor.

Class Cancellation Policy

If the class is cancelled, the instructor will notify all students by posting in the D2L/NS Online course, e-mailing through D2L/NS Online, and/or by posting a sign on the classroom door. In the event of class cancellation, students must access D2L/NS Online to complete classwork and the assignment that will be posted in the course D2L site.

Communication Statement

In this time of uncertainty due to COVID-19, communication between student and faculty is key. At times, situations arise for one or both that makes that communication difficult or delayed. This can include but is not limited to health issues and/or problems with technology. If you have attempted to contact your instructor, and have waited the turnaround time as outlined in the syllabus but have not yet received a response, please reach out for additional support using this survey: <https://forms.gle/rM7rxFarksRFeA3b8>