BASIC COURSE:

The system displays the Signup Page to the <u>User</u>. The <u>User</u> enters an <u>Email</u> Address into the Email Address Field and a <u>Password</u> into the <u>Password Field</u> then clicks the Signup Button. The system verifies that the Password is sufficiently complex and that the E-mail Address is registered in the Student <u>Directory Database</u>. Afterward, the system adds a **User Account** into the Account Verification Set and verifies that the Email Address is not already associated with a User Account in the Account Verification Set. Then the system sends a Verification Email to the indicated E-mail Address. The <u>User</u> clicks the link in the <u>Verification E-mail</u> before it expires. Then the system moves the <u>User</u> Account in the Account Verification Set to the User Account Set and redirects the <u>User</u> to the <u>Login</u> Page.

ALTERNATIVE COURSES:

The <u>E-mail Address</u> is already associated with a <u>User Account</u> in the <u>User Account Set</u>: The system returns the <u>User</u> to the <u>Signup Page</u> displaying a message indicating the error.

The <u>User</u> enters an invalid <u>Password</u> in the <u>Password Field</u> as a result of it either containing invalid characters, being too long in length, or not being sufficiently complex (must be at least 8 characters in length): The system disables the <u>Signup Button</u> so that the <u>User</u> cannot proceed to submit the form, and it displays a message indicating the error; should the form be submitted anyway, the system returns the <u>User</u> to the <u>Signup Page</u> displaying a message indicating the error.

The <u>Verification E-mail</u> has expired (after 24 hours): The system directs the <u>User</u> to the <u>Signup Page</u> displaying a message indicating the error.

