

# NORTHWOOD TECHNICAL COLLEGE



## ADMINISTRATIVE PROCEDURE: I-401A

### TITLE: Northwood Technical College Program and Course Credit

#### CROSS-REFERENCES:

I-401 (Administrative Policy – Northwood Technical College Program and Course Credit)  
WTCS Educational Services Manual

### Program Level Courses

Program level courses are those courses designed to meet the requirements of the various programs offered within the Wisconsin Technical College System (WTCS). The following program levels have been identified for use within the system:

Aid code 10	Associate of Applied Science Degree (60 to 70 credits)
Aid code 11	Advanced Technical Certificates (9 to 25 credits)
Aid code 17	Local Technical Certificates
Aid code 20	Associate of Arts / Science in Liberal Arts (60 to 70 credits)
Aid code 30	Technical Diploma (2 to 25 credits)
Aid code 31	Technical Diploma (26 to 53 credits)
Aid code 32	Technical Diploma (54 to 70 credits)
Aid code 50	Apprenticeship
Aid code 61	WTCS Pathway Certificate (2 to 18 credits)

The first two digits of the eight digit course number will reflect the program level of the course. All program courses are limited to 5 or less credits.

### ASSOCIATE DEGREE OCCUPATIONAL PROGRAMS (AAS) (Code 10)

- A. Associate degree programs are developed to assist persons preparing for, or advancing in, an occupation. Curricula of associate degree programs are designed to reflect statewide competency requirements for a target job(s) which define(s) the occupational program.

Applied Associate degree programs require a minimum of 60 semester credits. Programs with more than 70 credits in the curriculum require written approval by the WTCS President when needed to meet licensure, certification, and other requirements. Curricula with more than the maximum credits shall reflect the additional credits in the technical studies.

- B. The Technical Studies category includes courses that are specific to, or support the development of, technical skills and knowledge. The credit requirement range for Technical Studies can vary as needed to reach minimum of 60 with maximum of 70 total credits (after required general studies and electives, as needed).
- C. The General Studies category includes general education program courses which relate to the effective functioning of the individual in both occupational and community settings. A minimum of 15 credits in General Studies is required. It is further defined by the course categories shown below.

Communication (801)	6 credits
Social Science (809)	3 credits
Behavioral Science (809)	3 credits
Math and/or Science (804/806)	3 credits

The WTCS maintains the current WTCS General Education System Course List for use in selecting appropriate General Studies courses.

Systemwide Prepared Learner courses are not appropriate for use in meeting Associate of Applied Science degree requirements, and are not approvable as part of an AAS program curriculum.

- D. Credits for electives range from 0 to 6, as needed. Electives are used to broaden and enrich the

specific program of study.

- E. Applied Associate degree programs use aid code 10 for the first two digits of the course number. Aid code 20 courses are permitted as alternate courses at colleges with approved Collegiate Transfer Associate of Arts program. AAS programs are allowed to include Aid Code 10, 32, 31, and 30 courses. Aid Code 30, 31, and 32 courses included in AAS programs should be part of a previously approved technical diploma.

Associate of Arts and Science courses (Aid Code 20) may not be used as primary courses in an Applied Associate Degree curriculum. They may only be used as alternates to existing aid code 30, 31, 32 or 10 courses.

### **ASSOCIATE OF ARTS / SCIENCE PROGRAMS (Code 20)**

The Associate of Arts (AA) and Associate of Science (AS) in Liberal Arts degrees (statutorily referred to as Collegiate Transfer programs) are designed to prepare students to transfer to accredited bachelor-degree granting institutions such as four-year colleges and universities (henceforth referred to as receiving institutions). The degrees also provide students with preparation for advancement in the workplace through a rigorous academic program.

The AA and AS degrees require a minimum of 60 credits. Courses are mainly drawn from the disciplines of English, speech, humanities, social sciences, mathematics and natural sciences. Credit requirements are stated in the program curriculum credit and range distribution compliance rules chart found under the Educational Services Manual – Related Guidance section of the myWTCS Website and are included below.

<b>Category Title</b>	<b>AA (Minimum Credits)</b>	<b>AS (Minimum Credits)</b>
English	6	6
Speech	3	3
Humanities	12	6
Social Science	12	6
Mathematics and Natural Science	<b>Minimum of 10 total credits in Math and Natural Science to include:</b> 3-4 credits at level of Math at level of Intermediate Algebra or above. Or Quantitative Reasoning or equivalent, or 4-5 credits in Math for Elementary Teachers (Education Students Only) <b>AND</b> 7-8 credits of Natural Science (includes on lab course)	<b>Minimum of 20 total credits in Math and Natural Science to include:</b> Mathematics at the level of College Algebra, Statistics, Quantitative Reasoning or higher <b>AND</b> Natural Science (includes two lab courses, one from each of 2 different science disciplines)
Health / Wellness / Physical Education	1	1
World / Foreign Language	4 (Or one year of World Language in high school with a "C" or better)	4 (Or one year of World Language in high school with a "C" or better)
Additional Requirement: Diversity / Ethic Studies	3 (course may also count toward the social science and/or humanities requirements)	3 (course may also count toward the social science and/or humanities requirements)
Electives	10	12
Total Credit Range	60-70	60-70

Generally, the AA and AS degree curricula are comprised of courses offered at the aid code 20 level. These courses are specifically designed with competencies and learning outcomes suitable for transfer equivalency at receiving institutions. They may carry the WTCS general education instructional areas of 801, 802, 803, 804, 805, 806, 807, 809, 810, 815, and 890.

Additional postsecondary courses (such as Aid Code 10 courses) that are explicitly accepted for transfer into receiving institutions are also allowed in AA and AS programs and can be used to meet general

education requirements or as electives, depending on the nature of the course. These courses are currently defined as:

- General education courses included on the Universal Credit Transfer Agreement (UCTA) with the UWS and the Course Credit Transfer Agreement (CCTA) with the Wisconsin Association of Independent Colleges and Universities (WAICU)
- WTCS Systemwide General Education Courses
- Courses in an established articulation agreement with at least one receiving institution\*  
\*When such courses are made available to students as part of the AA or AS degree, the supporting articulation agreement(s) must be submitted to the WTCS Education Director for review prior to publicizing. Occupational courses must also meet discipline or major specific requirements within the existing agreement at the receiving college.

WTCS General College courses (Instructional Areas 831, 834, 835, 836, and 838) are not permitted for use in meeting AA or AS degree requirements.

### **TECHNICAL DIPLOMA PROGRAMS (Codes 30, 31, and 32)**

Technical programs are based on local needs of business and industry and are designed to assist persons preparing for entry into, remaining in, or advancing in an occupation. Technical diploma programs have a minimum of two (2) credits and a maximum of 70 credits.

The Wisconsin Technical College System (WTCS) has also allowed college districts to create Embedded Technical Diplomas (ETD) from within an already approved program. ETDs prepare graduates with entry-level skills for job opportunities in demand by employers. There must be a one-to-one (1:1) relationship between the ETD and the already approved parent program (Code 10, 32, 31) using existing primary courses within the already approved parent program curriculum. Using alternate courses from the already approved parent program curriculum is not permitted, and no alternate courses can be designed into the ETD.

- A. Technical diploma - Less than One Year (Code 30) - a minimum of two (2) credits and a maximum of 25 credits.
- B. Technical diploma - One Year (Code 31) - a minimum of 26 credits and a maximum of 53 credits.
- C. Technical diploma - Two Year (Code 32) - a minimum of 54 credits and a maximum of 70 credits.
- D. Deviation beyond 70 technical credits requires approval by the WTCS President.
- E. Occupational specific course requirements - minimum 70%

Seventy (70) percent to hundred (100) percent of the total program credits shall be in courses which are occupational specific. Occupational specific refers to those program courses which contain content directly related to a specific technical area.

- F. Occupational supportive/general education course requirements - maximum 30%

Credits in occupational supportive and/or general education may not exceed thirty (30) percent of total program credits. Occupational supportive/general education courses are program courses that relate to effective functioning in an individual's occupational and community settings. These courses shall be drawn from natural science, mathematics, social and behavioral sciences, communicative skills, and other disciplines, both general and occupational. Systemwide Prepared Learner courses are not appropriate for use in meeting Technical Diploma degree requirements, and are not approvable as part of a Technical Diploma's program curriculum.

- G. Elective courses are not permitted.
- H. Technical diploma degree programs use aid code 30, 31 and 32 for the first two digits of the course number. Aid code 10 courses may be included only if the course also exists in an approved associate degree program.

Technical diploma programs are allowed to include Aid Code 10\*, 32, 31, and 30 courses.

\*NOTE: Any technical diploma programs that are not embedded in an associate degree must go through the Financial Aid Clock-to-Credit hour conversion. Thus, using Aid Code 10 courses in non-embedded technical diplomas is not recommended. If using Aid Code 10 courses in a non-embedded technical diploma is necessary to meet student needs, financial aid implications must be clearly understood and communicated to students.

Associate of Arts and Science courses (Aid Code 20) may not be used as primary courses in a Technical Diploma curriculum. They may only be used as alternates to existing aid code 30, 31, 32, or 10 courses.

## **CERTIFICATES (Codes 17, 61 and 11)**

### **Local Technical Certificates (Code 17):**

Technical Certificates may be awarded at the option of the college and/or attendance at any program level and/or adult continuing education course(s), groups of courses or attainment of specific competencies. Courses may be offered as any aid code and have a Curriculum Exception Code of 92.

### **WTCS Pathway Certificates (Code 61):**

In response to employer and student demand for educational opportunities allowing seamless transition between education and work, the WTCS has allowed college districts to create WTCS Pathway Certificates (WPC) from within an already approved program. WTCs prepare graduates with entry-level skills for job opportunities in demand by employers.

There must be a one-to-one (1:1) relationship between the WPC and the already approved parent program using existing primary courses within the already approved parent program curriculum. Using alternate courses from the already approved parent program curriculum is not permitted, and no alternate courses can be designed into the ETD/WPC. Courses must be from the first two semesters of the already approved program.

- A. WTCS Pathway Certificate (Code 61) - a minimum of 2 credits and a maximum of 18 credits.
- B. Occupational specific course requirements - minimum 66%
- C. Occupational supportive course requirements - maximum 34%
- D. Elective courses are not permitted.
- E. WTCS Pathway Certificates are allowed to use Aid Code 10, 30, 31 and 32 courses for the first two digits of the course number. Aid code 10 courses may be included only if the course also exists in an approved associate degree program.

### **Advanced Technical Certificates (Code 11):**

Advanced Technical Certificates (ATC) are WTCS approved credentials that provide an opportunity for individuals presently employed, or graduates of other credential programs, to gain technical knowledge and skills in specific occupational areas beyond those provided by associate degree programs.

- A. Advanced Technical Certificates (Code 11) – a minimum of 9 credits and a maximum of 25 credits.
- B. Occupational specific course requirements – minimum 70%
- C. Occupational supportive course requirements – maximum 30%
- D. Elective courses are not permitted.
- E. Advanced Technical Certificates are allowed to use Aid Code 10, 32, 31, and 30 for primary courses. For the first two digits of the course number. Aid code 20 courses may only be used as alternates to an existing Aid Code 10 course. are permitted as alternate courses at colleges with approved Collegiate Transfer Associate of Arts program.

### **APPRENTICESHIP PROGRAMS (Code 50)**

In accordance with the Wisconsin State Statutes Chapter 106.01 (10), technical college districts shall provide apprentice related instruction programs in cooperation with the Bureau of Apprenticeship Standards (BAS), Wisconsin Department of Workforce Development (DWD).

Wisconsin State Statutes Chapter 38.001 identifies apprenticeship training as part of the technical college system mission.

An apprenticeship is a structured program of work-based training for skilled occupations determined to be apprentice-able by the Department of Workforce Development (DWD-BAS) or the federal Department of Labor Office of Apprenticeship (USDOL-OA). Apprenticeship combined structured on-the-job learning under the supervision of experienced (journey) workers with related classroom instruction.

Apprenticeship programs shall maintain minimum common core competencies as identified by industry, BAS, and, where appropriate, by state trade advisory committees.

- A. Apprenticeship programs vary by length of time, credits and hours.
- B. Apprenticeships use aid codes 10, 30, 31, 32, 47, and 50 for the first two digits of the course number.

### **Program Level Course Information**

Program Level Courses Assigned to One or More Programs: Most program level courses are and should be attached to one or more specific program curriculums. Courses are designed to meet specific purposes within a curriculum. Courses which are required in more than one program may serve the same function in each program.

- Technical diploma, local technical certificate, pathway certificate and apprenticeship programs:
  - Core courses are referred to as occupational specific courses (WTCS Function 1 TD)
  - General education courses are referred to as occupational supportive courses. (WTCS Function 2 TD)
- Applied associate and advanced technical certificate programs:
  - Core courses are referred to as technical studies courses (WTCS Function 7 AAS)
  - General education courses are referred to as general studies. General studies courses must be taken from the Approved general Education course list. (WTCS Function 6 AAS)

Program Level Courses Not Attached to Any Program: There are limited reasons why a program level course would not be assigned to an approved program curriculum. These include the following:

**Borrowed Courses:**

Courses which are borrowed from another district because of a short term need for a body of content not currently in any approved course, but requested by a district business or industry. These courses will have an exception code of 91.

**Certificate Courses:**

Courses at the associate degree/diploma level which are designed, either alone or packaged, to meet student and employer needs for rapid placement into the job market as tied to a local technical certificate. These courses will have an exception code of 92.

**Credit Based Continuing Education Courses:**

Associate degree or technical diploma level courses which are not part of any approved program, but are designed to meet the continuing education needs of business, industry and labor. These courses will have an exception code of 93.

**Course was required in an approved program curriculum:**

Courses which were part of a curriculum at one time, but the curriculum no longer contains the course as a requirement. The course needs to be retained because some program students still need to take the course to meet prior program requirements. These courses will have an exception code of 93.

**ASSOCIATE DEGREE/TECHNICAL DIPLOMA COURSE CREDIT STANDARDS**

Associate Degree and Technical Diploma courses must be assigned credit and be approved by the system office before enrolling students. This standard ensures that courses offered by districts are assigned with proper aid code, instructional area, credits, and materials fees. Assignment of credit will be based on the standards below.

**Type A Hours:** Instructor-delivered content via multiple learning environments including face-to-face and through a variety of distance education modalities.

- Content includes lectures, presentations, discussions, and other teaching methods
- Course outcomes, learning objectives and performance assessment criteria are specified.
- Instructor interaction is frequent or continuous.
- A Type Hours exclude clinical, independent, and individualized study, laboratory, occupational (internships/externships), practicum, scenario, simulation, and work-based learning per B-E Hour definitions.

**Associate Degree/Liberal Arts Course Credit Standards**

- In A Type, eighteen 50-minute potential periods of instruction per term equal one associate degree credit. PHI/18=CR
- Student outside effort: two hours for each potential period of instruction.

**Technical Diploma Course Credit Standards**

- In A Type, thirty-six 50-minute potential periods of instruction per term equal one technical credit. PHI/36=CR
- Student outside effort: two hours for each potential period of instruction.

**Type B Hours:** Hands-on and experiential learning via laboratory, scenario, simulation, shop, or other non-work-based-learning experience.

Course outcomes, learning objectives and performance assessment criteria are specified.

- Instructor interaction is frequent or continuous.
- Instructor delivers content via multiple learning environments including face-to-face and through a variety of distance education modalities.

**Associate Degree/Liberal Arts Course Credit Standards**

- In B Type, thirty-six 50-minute potential periods of instruction per term equal one associate degree credit. PHI/36=CR
- Student outside effort: one hour for each potential period of instruction.

**Technical Diploma Course Credit Standards**

- In B Type, thirty-six 50-minute potential periods of instruction per term equal one technical credit. PHI/36=CR
- Student outside effort: no less than ½ hour for each contact hour.

**Type C Hours:** Independent and individualized study, instructor-led work-based learning, extended lab OR instructor-led clinicals\*

**Associate Degree/Liberal Arts Course Credit Standards**

- In C Type, fifty-four 50-minute potential periods of individualized/independent instruction per term equal one associate degree credit. PHI/54=CR
- Student outside effort: none required.

**Technical Diploma Course Credit Standards**

- In C Type, fifty-four 50-minute potential periods of individualized/independent instruction per term equal one technical credit. PHI/54=CR
- Student outside effort: none required.

Independent and individualized study:

- Course outcomes and learning objectives and performance assessment criteria are specified.
- Instructors manage learning, create objectives, and remotely direct.
- Instructor/student interaction schedule is set by the instructor appropriate to the learning objectives and performance objectives.
- May include hours spent in lab or shop settings where students are engaged in independent and self-directed work.

Instructor facilitated work-based learning:

- Includes on-campus work-based learning (excluding internships)
- Instructor interaction is varied and occurs as needed
- Students provide service to live clients or customers (paid or unpaid) as in salon, culinary, automotive, and others
- May include simulated work environments where instructor serves in the role as an instructor as well as an “employer”

Instructor-led clinicals

- Includes instructor-led clinicals, instructor-led practicums, and simulations in lieu of clinicals
- Instructor directs the learning and provides direct oversight of program standards.
- Instructor provides frequent or periodic supervision.
- Content includes planned learning experiences based on identified objectives.
- Course outcomes, learning objectives, performance assessment criteria, sequencing, and student progress reporting expectations are identified and documented by faculty.
- Instructor evaluates student progress through precepted clinical on a regular/consistent basis.

Extended Lab:

- Hands-on and experiential learning via laboratory, scenario, simulation, shop, or other non-work-based learning experiences where student outside effort is not required, practical or possible.
- Course outcomes, learning objectives and performance assessment criteria are specified.
- Instructor interaction is frequent or continuous.
- Instructor delivers content via multiple learning environments including face-to-face and through a variety of distance education modalities.

**Type D Hours:** Work-based learning including internship, externship, job shadowing, and clinicals\* or practicums not specified for C or E hours.

- Content includes clearly specified and documented learning criteria. Instructor and employer direct the learning.
- Course outcomes, learning objectives, performance assessment criteria, sequencing, and student progress reporting expectations are collaboratively identified and documented by instructor and employer.
- Examples of student learning may include supervised job-shadows, individual assignments, or team-based projects.
- Instructor provides direct oversight of program standards with frequent or periodic supervision.
- Employer provides direct or indirect supervision.

**Associate Degree/Liberal Arts Course Credit Standards**

- In D Type, seventy-two hours of work-based learning equal one associate degree credit. PHI/72=CR
- Student outside effort: none required.

**Technical Diploma Course Credit Standards**

- In D Type, seventy-two hours of work-based learning equal one technical credit. PHI/72=CR
- Student outside effort: none required.

**Type E Hours:** Work-based experience (E hours are used infrequently and require Education Director pre-approval).

- Student has shown competency to work at an approved off-site employer and independently performs the occupation as any other employee with limited supervision.
- Employer works with the student to meet their learning objectives.
- Used to accommodate specific programming requirements not addressed by D Type hours, including limited clinicals\*.
- Discuss intended use with relevant Education Director

**Associate Degree/Liberal Arts Course Credit Standards**

- In E Type, two hundred sixteen hours of work-based learning experience equal one associate degree credit. PHI/216=CR
- Student outside effort: none required.

**Technical Diploma Course Credit Standards**

- In E Type, two hundred sixteen hours of work-based learning experience equals one technical credit. PHI/216=CR
- Student outside effort: none required.

\*NOTE: Clinical experiences, including clinicals, practicums, or preceptorships, may use C, D, or E hours depending upon the degree to which instructor presence is required onsite (including, but not limited to, nursing, radiology and dental clinicals). How preceptorships are defined is a college decision. In all cases, the instructor maintains responsibility for the assessment of student learning:

C clinical hours: learning experience is instructor-led at the clinical site with instructor present all or most of the time.

D clinical hours: learning experience is directed by the instructor and delivered collaboratively by the instructor and the employer at the clinical site with instructor present some or most of the time.

E clinical hours: learning experience is directed by the instructor and delivered collaboratively by the instructor and the employer at the clinical site with instructor occasionally or rarely present at the clinical site. E hours are only used on a limited basis and require preapproval from the Health Science Education Director.

**Liberal Arts and Associate Degree Courses (Aid Code 20 and 10):** The course Credits must be a whole number. All values in A Hours, B Hours, C Hours, D Hours, and E Hours must be whole numbers.



The sum of A Hours, B Hours, C Hours, D Hours, and E Hours must not be zero, must be a whole number, and must be equal to Total Hours of Instruction.

- Total Hours of Instruction must be a minimum of 18 hours
- The number of Credits for A Hours is computed by dividing A Hours by 18.
- The number of Credits for B Hours is computed by dividing B Hours by 36.
- The number of Credits for C Hours is computed by dividing C Hours by 54.
- The number of Credits for D Hours is computed by dividing D Hours by 72.
- The number of Credits for E Hours is computed by dividing E Hours by 216.

Hours are allowed to result in partial credits in different hour types, but the sum of credits must be within - 0.01 of an integer. When credit value equals 0.9999 due to a combination of fractional hours, the WTCS Course Approval Data Systems will accept the credit value as the nearest integer.

**Technical Diploma Courses (Aid Codes 30, 31, and 32):** The course Credits must be a whole number. All values in A Hours, B Hours, C Hours, D Hours, and E Hours must be whole numbers. The sum of A Hours, B Hours, D Hours, D Hours, and E Hours equals Total Hours of Instruction.

- Total Hours of Instruction must be a minimum of 36 hours.
- Add A Hours and B Hours together. Divide the total by 36.
- Divide C Hours by 54.
- Divide D Hours by 72.
- Divide E Hours by 216.

Hours are allowed to result in partial credits in different hour types, but the sum of credits must be within - 0.01 of an integer. When credit value equals 0.9999 due to a combination of fractional hours, the WTCS Course Approval Data Systems will accept the credit value as the nearest integer.

**Scheduled Hours:** The hours approved through the WTCS are based on an 18-week schedule. Northwood Technical College schedules using a 16-week semester. As a result, when scheduling, hours are converted using the following structure: total hours divided by 18 multiplied by 16 equals Northwood Tech scheduled hours.

- A Type Hours:
  - Associate Degree: 16 scheduled hours
  - Technical Diploma: 32 scheduled hours
- B Type Hours:
  - Associate Degree & Technical Diploma: 32 scheduled hours
- C Type Hours:
  - Associate Degree & Technical Diploma: 48 scheduled hours
- D Type Hours:
  - Associate Degree & Technical Diploma Hours: 64 scheduled hours
- E Type Hours: Associate Degree & Technical Diploma Hours: 192 scheduled hours

Northwood Technical College may schedule using the 18-week hour structure in certain scenarios, such as requirements tied to accreditation or licensing and advisory committee or employer recommendation.

Northwood Technical College may schedule using a shortened week structure (i.e. 3 or 5 week). In these situations, the hour structure may be rounded to the nearest whole number for scheduling.

**Exceptions:** The WTCS has allowed exceptions to the following courses. These courses may round their credits. When credits are rounded, round down to the nearest whole credit. Rounding up is not permitted.

- 30543200 Nursing Assistant – Limited Term (2 credits)
- 30543300 Nursing Assistant (2 credits)
- 30504500 Overview of Patrol Response (2 credits)
- 30504501 Physical Fitness (1 credit)
- 30504502 Application of Investigations (1 credit)
- 30504503 Overview of Criminal Justice (1 credit)
- 30504504 Principles of Emergency Vehicle Response (2 credits)
- 30504505 Sensitive Crimes (2 credits)
- 30504506 Overview of Investigations (2 credits)
- 30504507 Application of Traffic Response (3 credits)
- 30504508 Principles of Investigations (1 credit)
- 30504509 Principles of Tactics (5 credits)

- 30504510 Overview of Tactics (1 credit)
- 30504511 Scenario Assessment (2 credit)

**Apprenticeships:** Course credit calculations can be increments of quarter credits. The sum of A Hours, B Hours, C Hours, and D Hours must equal Total Hours of Instruction.

<b>APPRENTICESHIP CREDIT CALCULATION</b>	
<u>HOURS</u>	<u>CREDIT</u>
1-9	0.25
10-18	0.50
19-27	0.75
28-36	1.00

- If total hours of instruction are greater than 36, continue with the bullets below:
  - Add A Hours and B Hours together. Divide the total by 36. Use a precision of 999.99
  - If C Hours is not zero, divide C Hours by 54. Use a precision of 999.99.
  - If D Hours is not zero, divide D Hours by 72. Use a precision of 999.99
  - Add the A Hours, B Hours, C Hours and D Hours computed credit totals together. Round the result up to the nearest quarter credit.

All courses with Aid Code of 10, 20, 30, 31, 32, or 50 must be offered at the same credit value on file as, and as approved by, the WTCS.

**Questions about this procedure should be directed to the Vice President, Academic Affairs.**

Procedure Adopted: February 7, 2012

Procedure Revised: November 27, 2018  
July 12, 2022

  
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PRESIDENT  
NORTHWOOD TECHNICAL COLLEGE