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## ABstract

Research on the development of the master's degree in the United states and its growth in the postwar technological era are reviewed within the context of tradition, diversity, and change. Research on structure and organisation, curricular reform, quality control, and innovation is syathesised, and suggestions for future research are offered. The distribution by field of the 289,921 master's degrees conferred in 1982-1983 is shown, along with the number of subsields for each discipline. For 11 master's degrees, information is provided on the number of Eull-tine years, the number of progran areas, the number of credits, and the requirements $f 0 r$ completion (practicum/field work, exams, theses, and research projects). Consideration is given to whether there are indicators to evaluate master's degrees and to efforts by a few states to monitor master's programs. The following major prozessional degrees are discussed: business and management, teacher education, engineering, fine and performing arts, health sciences, international ducation, jouraalisin, law, library science, public administration, social work, and combinad degrees. Abbreviations of organizations and a list of degrees are appended. (8W)
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## EXECUTIVE SUMMARY








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## FOREWORD

The master's degree is going through an identity crisis. In an era of increased specialization, employer demands, student expectations for practicality, and external calls for accountability, academe cannot afford to let this state of affairs continue. Some hard questions must be asked. What is the primary function of a master's degree? How can it best serve the demands of students, employers, and governing bodies?

This report examines the educational mission or function of a master's degree. Today's master's serves one of three objectives: (1) as a stepping stone to a doctorate; (2) as a consolation prize for those who are unwilling or unable to continue; or (3) as a terminal degree for many professions. The degree certifies a certain level of proficiency. It can embody theoretical understanding as well as technical expertise. It is important to keep the differences in mind when evaluating the curricula of master's programs.

Curriculum content and design must be addressed carefully. Is a master's degree merely a collection of courses approximate to one year beyond the baccalaureate? Or is there an attempt to carefully weigh or give balance to theory and skill courses? To what degree have master's programs been evaluated in a way that measures the success of stated objectives?

Any evaluation should imply a concern for quality. Of any degree, the master's should probably be given the closest scrutiny since it is the one most often attained by parttime students in off-campus programs, which are harder to regulate. As adults continue to go back periodically for more education, there will be greater emphasis on and expectations for the master's, and greater demand for accountability. College and university reputations, if not survival, will be influenced by their master's programs.

Judith Glazer, associate dean of the School of Education and Human Services at St. John's University in New York, establishes the importance of examining master's programs by noting that "in 1982-83, 289,921 master's degrees in 30 disciplines and 633 specialties were conferred, an increase of 75 percent in the past two decades." She presents a fine assessment of quality measurement and control, as well as a useful overview of different professional degrees. Perhaps her greatest contribution is the
compitation and differentiation of the various degrees offered under the guise of master's programs.

Administrators and faculty will do well to examine the range and diversity of master's degrees offered. keeping in mind that adult learners will continue to be mainstays of colleges and universities well into the next century. Serving these "new" students well will be vital to higher education institutions. The master's degree has traditionally been the closest link between academe and business, and the skills demanded by a changing workforce will reinforce this traditional arrangement. This report can help some institutions better serve the next generations of graduate students.

Jonathan D. Fire
Series Editor
Director and Professor
ERIC Clearinghouse on Higher Education
The George Washington University

## ACKNOWLEDGMENTS

I wish to thank Robert Raymo for his support throughout the preparation of this manuscript. His knowledge and judgment have been invaluable. Many individuals responded to my requests for data, and I watt to acknowledge their assistance and cooperation, particuiarly the directors and staffs of state higher education boards and national accreditation agencies and the reference librarians of New York University and St. John's University who conducted valuable searches of scholarly material on my behalf. I also thank Vance Grant, Jules LaPidus, David Webster, and my editor. Jonathan Fife. for their generous assistance.

## INTRODUCTION

The master's deprec is the mainspring of eraduate education, the fint postbeccaloureate depree. the midpoint to the doctorate-and the terminal depree for most profersions. Beyond this generlization. litule agreement exists about its sonks and objectives, functions and purposes, curricula, and criteria for evaluation. It exceeds other graduate degrees in number and diversity, ranging from the traditional Master of Arts and the finst professional Master of Business Administration to experiential and combined degrees. It is al once a mechanism for awroding credentials, a stimulus to research and scholarship, and a generntor of enrollments and tuition income. In the past quarter century, it has altered greally, expanding in response to societal needs, public policy initiatives, interests of administrutors and faculty, and demands from various constitu-

The conferral
of master's degrees has risen by 75 percent in the past 20 years, reaching a high of 317,164 in 1976-77. encies. In a highly technological environment, the master's degree has become a means of certifying successful completion of professional programs that prepare students for careers in the public and private sectors. At the same time, it maintains its traditional function of initiating graduate students into the academic milieu of research and scholarship.

Of the 3.253 colleges and universities in the United Sutes, 1.207 offer graduale programs (Grant and Snyder 1983, p. 105). Most master's degrees continue to be offered by the institutions that grant doctoral degrees ( 452 institutions offer both degrees): 523 offer the master's and 93 the first professional as the highest degrees, and 139 offer degrees beyond the master's but below the doctorate. Of the 523 master's degree institutions. 157 are public and 366 are private.

The conferral of master's degrees has risen by 75 percent in the past 20 years, reaching a high of 317.164 in 1976-77. In 1982-83, 249,921 master's degrees were conferred in 30 disciplines, subdivided into 633 specialties (see table I). Professional master's degrees accounted for 84.2 percent of the total, liberal arts master's degrees for 15.8 percent.

Nearly three times as many master's degrees were conferred in 1982-83 as the ageregate of first professional (law. medicine, theology) and doctoral degrees. More than half of all master's degrees were awarded in education and business, which have grown much faster than the number of science and engineering degrees (NSF 1982, p. 13). Sci-

TABLE:
MASTER'S DECREES CONFERRED: IE2-33

|  | Nemater of | Nomitur of | $\begin{aligned} & \text { Rurcsen of } \\ & \text { Tretal Driper } \end{aligned}$ |
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| Healih Sciences | 17.036 | 104 | 5.9 |
| Home Economics | 2,006 | 33 | . 8 |
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| Thyrical Sciences | 5,290 | 3! | 1.8 |
| Peycholony | 8.378 | 13 | 2.9 |
| Social Scimees | 11.114 | 13 | 3.8 |
| Totel | 45.751 | 151 | 15.8 |
| Crum Tred | 29.921 | 633 | 100.0 |

cace and engineering defrees reached a bihh of 30 percens of all macter's deques in I\%s but have declined to about Is percent in the past decade. Notionally, an avergee of 300 mester's deprees we awneded per institution, athough this fapre is mach bider at mejor vaiversities.

Teacher oducation, once the domimapt lield (partly becmuse of its role in certilication and licensina), thas declined as a percentage of total deprees awnded. In 1962. 45 perceat of all master's deprees were in educution, compered to 6.5 perceat in busioess. Tweaty years hater, 29.3 perceat were awnded in edveation and 22.5 percent in Lumiaess (OERI 19ES). Epemeering, which was second with 11 percem in 1962, dropped to thind with 6.7 percent in 1s82-83. Wive empolments have fillen, types of education deprees have risen in recent years. Sixty-three special. inations in education are inctuded in the new taxomomy on carsed dequees (OERI 1935).' Characteristies of students have also chanyed. In 1932-83, women received 50.2 percent and raimorities 10.5 percept of all master's deprees. Alathouth historically women have been the major recipieats of deprees in education asd the theath sclences, they are opting in greater mumbers for such traditir allly male. dominated lelds as bustress and mangernetu.

The distribution of deprees by level bas remained fairly constant simce 1930 (Aditins 1971; Plisko and Stern 1985). The proportion of bachelor's and second-level degrees over the 40 years of Actrins's scudy of mademic depree production from 1930 to 1970 was approximately three to ope-73 percent bechelor's so 25 percent master's and first professiosal. In 1981,70 percent of all deprees werr bachefor's, 27.5 percept master's and first professional (Grant and Sayder 1963. p. 132). Between 1972-73 and 1962-83, the mumber of master's degrees conferred increased 9 percent (OERI 1985), compared to a 44 perceat increace in lirst profescional degrees, a s percemin increase in bectrelor's deprees, and a 6 percens decline in doctoral degrees. The conferral of deprees has moved erndually toward busimess, education, prychology, ergineering, and computer
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science, with the rapilly erowing fields increasian from is to 41 percent of depree bolders from 1930 to 1970. The most mpilly growing fields at the master's level are now busimess, heakh sciences, computer science, psycholoyy. and public mifins (OERI I985). Forcign haquater, letters, tibrary science, mathematics, and sociad sciences have seea major dechines.
Several issues arise in reviewing reserech on this vital aspect of hiderer education. The ebb and low of institutiool and govermapocal subsidies have len groduace and profersional education femerally without a steble base on which to articulate the master's dequee (Brademas 1983, p. 39: NBGE 1975). This simation is exacerbated by the changine $I$ aftern s in undergraduates" majors and the trend toward eart mpe alizulion (Grant and Sayder 1983, p. II8). In coase. $\quad$ Master of Arts and Master of Science depreer. . Osition berween the beccalaureate and the doctorite mal is oftep lenuous and in defined.
No longer can the graduate school, confironted by new professional proprams seeking astonomy from the research model of eraduate schools, function effectively as an acndemic "Bureau of Suanderds" (Pelikna 1913, p. 13). It becomes increasingly inappropriate and misteading to define universities in lerms of their scholarly and scademic. research when asjriads of professional defrees now overshadow the aits and sciences as terminal credentiats facitio tating access to and advancement in the marketplace. Demands for quality control, acooumebility, and stendards are countered by proposilis for inmovation, chaseye, and the introduction of new graduate programs (Abreche 19es: Petikan 1983). Stere coordineties bourds, melional eccreditation ageacies, and redional associmions mositor with ever greater vidiance the prolfieration of prognans, Insitutioes, in their effions to aturnct students. compete with corporations, school systems, and proprietary schooks in depree and ponderiee proprams. The respit is comelusion and uncertiaty about the role of the university, the parpose of ernduate and profersional cducation, and the function of a geseric deeree of such diversity that no sinde definition edequately describes its structure, contemen, and poals. A crisis of coafidence exists: Are graduate and professional schools eapmble of monitorias the quality of
master's deprees or atheed to their mumiple purpoves? (Cinmini lsel, p. 141).
This report reviews the rexemech on the developmicen of the imater's depree in the Unied Stiver and its eromith in the postwar lechacionical era widhin the consext of tradition, diventhy, ad chaage. It syothedies research on structure mod orgatirntion, the reform of curricula, quality control, and inerration, conchuding with recommendetions for fisume research.

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profensional degree. Colleger and univervitien wought to respond to the need for part-lime masier's desree programa, placing more emphasix on applied fields and preparation for a career, demanding fewer reneareh requirements in practice-oriented programs, and lailoring programs to the time constraints and skill requirements of practicing profensionalx (CGS 1977).
A landmark study of Ph.D.s and the academic labor market distinguishes between undergraduate and graduate pro: grams in terms of atudents' goals (Cartier 1976). While undergraduate educalion is sought primarily for enrichment and secondarily as an investment in marketable skills, "at the posibaccalaureate level, decisions to pursue advanced education are commonly job and career oriented; graduate and profesnional degrec education are more nearly investment goods' in the cconomic analogue" (p, 73). Because of this difference in objectives, marke, forces affect graduate enrollments that are more responaive to expectations about career oppontunitics:

The student atiends groduate or professional scheot to attain expertise in a particular field, whereas in under. graduate college the baccalaureate depree is more ofien the goal, and the field of study is only a secondary (and ofien a mid-course) consideration (p. 74).

It is difficult to project enroliments and degrees at the graduate level when conditions in the labor market affect the apparent relevance of fields of study (Cartier 1976). At the undergraduate level, students are more likely to seek generic degrees despite fluctuations in the labor market. while at the graduate ievel, students have less mobility across fields, and their decision to pursue a specific career is inextricably linked to their decision to enroll in a degree program. In the early 1970s, for example, a decline in employment opportunities for engineers led to a precipitous decline in enrollments. But by the end of the decade. the labor market had changed, and today a shortage of engineers exists in industry and on university faculties (Engineering Foundation 1982).

The future course of graduate education will be significantly affected by several factors, among them the growing emphasis on undergraduate education, the new value
accorded to ulilitarian diseiptinen, the decline of humanitien and social meiences, the emergenee of natural meience and technology, and the "undewirable pattern" of federal ald'a going preponderantly to acience and engineering (Carter 1976, p. 74). What Carter did not foresee in the carly 1970s was the impact of amrmative action programs on ponisecondary education and, at the graduate level, on the enrollment of women in professlonal degree programs. While the number of degrees awarded to men in the past 10 yeary has been relatively stable. registering only small deelines or modent growth. the number awarded to women han greally increased: Women now carn half of all bachelor's and master's degrees, a trend expected to continue into the 1990s (Gerald 1985, p. 70).

Although conditions in the labor market continue to infuence students' choices of master's programs in particular, the avallability of financial aid in a key factor in postbaccalaureate enrollmenis (Hauptman 1986, chap. 2). From 1974 to 1984, student louns increased significanily, while service-related granis decreased sharply, Loans now constitutc threc-Anhs of all financial assistance to master's degree students, while assistaniships and fellowships represent 20 pereent of their financial aid. Thus, a major poliey issue is involved-" whether debt burdens and repayment obligations ar, influencing educational decisions. career paths, and personal choices" (p. 80).

The dividing line between academic, teaching, and research degrees has become increasingly blurred as graduate and professional schools compete for fewer potential students whose moti ations and abilities differ in many respecis from past generations. The issues of the 1970s revolved around the rapid expansion of higher education and state allocation of resources for graduate and profersional schools. By the mid-1980s, they have shifted to discussions of proliferation, diversity, quality control, ard cost. Economic and political pressures have intensified interest in the master's degree as the dominant component of posibaccalaureate education. Its development from an uncarned credential at the conclusion of a young man's college education into a significant professional degree for both men and women is a distinctly American innovation in the history of higher education.

## DEFINITION AND DIVERSITY

No single master's depree existe: indeed. Ite divervily maker if dimeult to define in other than simplintic iermothal lis. the frnt graduate deyree awarded following al leaut one year of full-time nludy. And 'variety in nomenclature has its counterpart in programs. Diversity makes it impuos. sible to discust a typical master's program. İven among professional degree programs, there in areat heterogeneHy" (Snell 1965, p. 87). Others define the masier's degree as a "promam of instruction requiring at least one, but mor more than iwo. yearn of full-ime equivalent academic work beyond the baccalaureate degree, the completion of which renults in a master's dearee conferred by the faculty and ratifed by the eoverning board of an institution grantins the degree" (Malizz 19\%I. p. 381) and us "the firm posibaccalaureate or graduate depree, representing not leas than one nor more than two years of tI-time study beyond the bacculaureate. . ." (Spurt 1970, p. 14).

## Nomenctatare

Nowhere is the diversity of the master's degree more marked than in its nomenclature. Many master's degreex add a second dexignation, identifying the department or held of study-for example. Master of Science in Educalion or Master of Arts in Liberal Studien. The multiplicity and varicly of professional programs combined with persistent efforts to differentiate them from the liberal arts and seience have resulted in an avalanche of new titles. And changes in institutional types have added to the confusion. "The proliferation of profestional master's degrees at institutions that formerly offered only the baccalaureate has led to an almost incomprehensible jumble of deqree nomenclatures to supplement the time-honored if loosely defined) master of arts and master of science" (Bimbaum 1983, p. 40). In 1960. Eels and Haswell identified 1,600 different degrees (and a startling 2.600 abbreviations) at 2.000 colleges and universities. At the master's level, they found some 400 varieties, including 121 different M.A. and 272 different M.S. degrees.'
2. Vketorian times brought changes in momenchature considered more epproprive for the female wx (Eets 19\%), pp. 5p-111; Eets and Haswell 1900, chep. 4). Mimersts. Shiter. Mond. or Muhlon was deemed a more


An cadly ao the turn of the cenlury, il had already been ohoerved that mon failly well educaled people do not know what one fourth of the degree mean (Thoman Ingin): In 10,2, the Commiliee on Academic Depres of the Com: nisuion on Academic Affain of the American Council on tiducation aukdresied problema of nomenclature (Whaloy IW(6), endeavoring to limit the number of mavier's degree tilles to $\mathbf{5 0}$ and to vandardize abbreviations, particularly in educalion, businens, and nuineering. The "chacmie wiluaHon in the tiling of American academic degrees ${ }^{2}$ ofien lefi - ludenta in a "maze" of conflusing ehoices, "American hisher education got along with one carned deurec for 125 years Aer the first Hachelor of Ants was awarded by Har. vard College in 1012. In the weceeding 19\% yeart, the rate of increace has averaged about thiteen tifles a year" (Whaley 196, p. 326).
The rate of increace continues to thiv day as a function of new inctitusions, new fields of oludy, and increased masecr's level enrolimentis, which have more than quadrupled in the past 20 yearn. Pecerion's guiden to eraduate sludy (Coldstein and Frary 19w\$, p. I list 667 master's depree tilles coupled with 639 abtreviations. Combined degree proerams crealed to bridge specialized fields add another 155 derignations (pp. 167-75).

## Curricalar Modoth

Curricula also reffeet the diversity of the master's dearee. and detailed information on this lopic can be obtained only from a review of graduate and professional school bullelins, wome case sfudies on propram devign within a university department, comparalive analyses of a particular field. and guidelines for accreditation. As in discuswions about policy making, many proscriptive documents describe how to strengthen the curriculum bul few its actual content.
iur). and wome chbook. pericularty in the South. Hined ome or anoliter of
 Scieact. Maid of Philowophy, Meid of Sciemer. Mistrets of Prilonopity. and Sirice of Ants. the U.S. Comminvioper of Education "' momel reports unced wech other neveral titien for whemen as lacomiate of laurvecion.


 moct popiler.

Requireanenis for the maver'a dewre are ualually waled in leame of apecike course cicdito, cecauntally in tetmo of competencien ta beachieved in mepling powfam tuala and objectives. Ifa hasie somponente vary whely in emphara. but they menerully inilude;

1. A common cove of introduciory courve appropriate to the diseipline or field of wiody, with an foundations. theory. ow texuanch methode.
2. A conceniration or opectalizalion in a subficid of sludy, for example, financial accounting, thabilita. lion counveling. medical- iuryical nurwing, or crealive wriling.
3. Copnate courses, often ouloide the deparment, to broaden the curriculum or to provide needed ahill., such as statislics, computer proweramming. foreign lanquager, or behavioral science.
4. Intepralive experience to synthevire 'he propram's content and trandate theory into practice, such as ceminant, oncampus pracliea, internthipa, and other field work.
5. Summalive experience to meanure the student's achievement and counitive prowth by meann of a the. Wh, receareh project, and/or comprebentive exami. nution.

While the maser's degree normally requires a minimum of one academic ;iar of full-time produate ntudy on its equivalent in parr-int work and the accumulation of not less than 30 nemevter bourn. it requires iwo years of full. time graduale sudy and beiween 45 and 60 credics in mont terminal degrees. Although come programs require more than two years of fult-time study to complete the requirements, it generally is not the norm. Curricula are clansificd as academic. profersional, or experiential, allhough mome characteristics overtap. Academic depreets might be used for teaching, research, predoctoral itudy, or personal enrichunent. Profercional detreets thare some of these purposies but are more likely to be oriented toward practice and terminal in oature. Experiential degrees are nonaraditional in structure and desien and to some extent in content and uneasures of schievement. although they often retwin
 lex. and cloment of intompaive and mumative enpariencen:

Amid auch diveraily, comparing dogect and require. itvenit in diflicull (wase Iste ?). Itach degree may have mowe than ore devignation or lile, s number of faldo, whinimete. or concentrulions, vartuble requiremenc for credils dependiap on backeround und promrum objectivet. and dit. forent inlegrative and ummative experiences. The mat. lef's, mareaver, may reprecent differeal degree levels.
 atiociate, bacheler's, mactef's, candidale/spexialiallicen. liate (inermediate enduate degre beyond the mander"). und doctorale-is inndequite or misleadiag (Spury 1970, p. 14). In addition are the firt proferviond dogrees bearing the name of doctornic but wetually conclitution a separate catopory; combined degreet a difrertal levols (B,A,l M, A.): dual or joint doprees awarded in fwo schools of fields simulianeously (M,A,M,B,A., J,D,M, A, A.. M.P.A.M.D.), which wre popular in law, medicine, businets, and ouher profescions; and masler's degrees follow. ing fru profencional degrees in law, medieine, and denlistry, a cerryover from changes in the nomenctature of those proprems.

Some altention has been paid in necent yeart to a new theory of acadenice degere structuret, defined as "eaperal calcarientions or curricula leadias to spectic academic degrees" (Spurt 1970. p.6) and dedigned so as to deter. mive the chape and atructure of portsecondary education. While faculty may prerceive higher education as orpanized intu adopinictrative uniti (echools, departments, research inultuten), students View proyrans at the exuence of the univerdiy. Consequently, a better conceptualitention of curriculy would inpprove the bow of students throupt the syclem (p.6). The "ided depree structure" would provide for a conilmum of choices amones colleyes, prograns, and curricula that woult facilitac studeats" mobility throung the sytlem as they fulill carcer objectives ( $p$. 22).

Spurt saw the mastor's deprec as crownits mutully cxchusive dicercte proymans carciully dethmited to a narnowly gualifed student body, If is this perception that undertay his criticien of the M.A. and M.S. as the unsuccersful products of the "anere sccumblation of edditional credifs," embodyine no academic propran and often
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graduate degrees awarded or number and range of degree programs and moderate correlation with the proportion of degree programs at the advanced graduate level, suggesting "qualitative dimensions seldom explored in previous rescarch" (p. 292).

- The need for multidimensional indicators of quality is even more critical in assessments of professional education. The use of reputational peer ratings of professional schools has two problems: (1) The same professional schools are consistently identified in the ratings; and t.) the diversity of professional schools necessitates the use of different criteria than in academic disciplines that are usually assessed on a departmental basis (Lawrence and Green 1980. p. 31). A survey of deans and directors of undergraduate business schools and M.B.A. programs and of senior personnel executives found that faculty reputations were the "overwhelming factor in ratings" of the best business schools (Hunger and Wheelen 1980a). One weakness with this approach is apparent in the results of this survey, however: Personnel executives ranked five exclusively graduate business schools among the top 10 undergraduate schools as well (p. 26). Thus, "neither quantitative nor qualitative methods of assessment alone are satisfactory for adequately and accurately estimating quality." but a "holistic perspective on quality assessment" is most useful (Kuh 1981, p. 31).

Accreditation has focused on two concerns-educational quality and institutional integrity. According to the Council on Postsecondary Accreditation. 16 specialized units and six regional accrediting associations are concerned with master's level programs (COPA 1984). The regional associations are supported by institutional dues from 2.800 mcm ber institutions and provide the basic framework for accreditation. Both accreditation and mandated standards affect the design of programs and the process through which colleges and universities monitor the quality of programs. Although the meaning of the college degree should reffect more accurately the knowledge, skills, and personal qualities it certifies through its award, the degree no longer signifies comparability in educational outcomes (Young et al. 1983, p. 400). This factor has implications for its value. particularly as accreditation is a voluntary process. depending on self-regulation and informal monitoring.

COPA's role has been to discourage proliferation and specialization, to evaluate educational quality, and to measure educational outcomes (Harcleroad 1980, p. 29). Its current director defines quality at the graduate level in terms of special program objectives, whether programs are research oriented, disciplinary or interdisciplinary, oriented toward beginning a career or developing one's skills, or a combination (Millard 1984, p. 41). But the proliferation of institutions categorized as "postsecondary" following passage of the Education Amendments of 1972 might have exacerbated "the perennial degree-mill problem" (Harcleroad 1980. p. 34). As the range of postsecondary institutions grew, the proclivity increased for offering more master's degrees, cheapening them in the degree hierarchy and accelerating the schism between research and professional degrees. Nontraditional efforts at diversity-distance learning, external degrees, off-campus programs-have made quality control more difficult to manage (Dressel 1978; Harcleroad 1980, p. 35). While coordination of selfstudies and program reviews has improved the function of quality control, the plethora of agencies and commissions with overlapping jurisdiction in accreditation of degree programs has been somewhat problemalic, partly because of the varying expectations and levels of authority of accrediting agencies in relation to national and state boards. pardy because of the effectiveness of self-regulation, and partly because of the feasibility of applying comparable criteria to disparate programs and institutions.
Quality is an clusive concep:, and no matter what criteria are applied by external arbiters, it is the institution that determines the nature. content, and quality of its programs through the renources it allocates and the faculty it hires. Recornition is growing that quantifibble deta are not adequate to measure academic quality. One major issue is whether different evaluative criteria should be used to assess the quality of master's programs and doctoral programs, professional degrees and research degrees. A variety of criteria would be needed to assess the productivity of faculty rescarch. teaching, advisement, student outcomes, facilities, resources that are specific to a department, and the complex relationship of programs to the surrounding community (Webster 1979). Reputational rankings should rely not on a single measure of faculty

> Recognition is growing that quantifiable data are not adequate to measure academic quality.




output but on multidimensional considerutions more germane to the program's objectives and students' needs (Webster 1979). In this connection, the Ohio Board of Regents in its most recent master plan (1982. p. 18) endorsed the position that the diversity of objectives in practitioner master's programs implied diverse measures of excellence and precluded a single set of universally accepted criteria of quality. Ohio colleges and universities were directed to define the purposes and expectations of their programs and to develop their own statements of scceptable quality ( $p$. 18).

## The CGS Telk Force on Quality

In 1973. the Council of Graduate Schools (CGS) and the Graduate Record Examination Board formed a steering committee to identify "dimensions of quality" in doctoral programs and to survey the opinions of 60 graduate deans of arts and science on the topic (Downey 1979, p. 86). The Educational Testing Service (ETS) undertook a two-year study for CGS of multidimensional aspects of quality in doctoral programs; the Dimensions of Quality in Doctoral Education project grew out of concern about the limitations of the highly publicized and controversial reputational studies of the American Council on Education (ACE). Thirty program characteristics were field tested in three disciplines-chemistry, psychology, and history-in 25 universities, and the results were disseminated in a detailed technical report (Clark. Hartnett, and Baird 1976). In its summary of the research results. CCS emphasized the potential of seff-study and the use of multidimensional frameworks in assessing quality (Clark and Hartnett 1977).

In its revised statement on the master's degree. CGS (1976. p. 7) had emphasized the role of vigorous institutional reviews in assessing program quality and voluntary termination of substandard programs, obviating the need for external evaluation. The devaluation of defrees was becoming a major issuc, variously attributed to the expansion of knowledge and the expansion of degrees, to poor preparation of incoming students, and to the nature of the licensing function (CGS 1977). The climate was one of asscsament and retrenchment.

In 1978, CGS established the Task Force on the Assessment of Master's Level Programs to explore the applicability of doctoral criteria for evaluating academic and profes-
sional master's deqree programs and to adapt the Dimensions of Quality in Dostoral Education at the master's level (Downey 1979, p. 86). The questionpaire addressed two fissues: (1) What dimensions of the propram are important for the assessment of quality? and (2) what procedures and methods should be used to conduct the assersument? It hypothesized at the outset that quality in a master's program can be measured in six areas: tacuky, students. resources, learring envisoament, programs, and alumni. Several characteristics for determining quality were listed for each area and specific indicators and sources provided for each characteristic.

The iask force constructed a survey instrument to gather data on what charncteristics and indicators would be most useful in evaluating both academic and professionaltechnical master's degrees. A survey of groduate deans elicited a 56 percent response ( 202 responses) concerning important program elements in the master's program review. The final report, issued in January 1979, was presented at a conference at the University of Marytand (CGS 1979). The task force worked with ETS to design and field test questionnaires that would enable graduate departments to assess the quality of their master's proerams. Separate versions were developed, based on seven criteria (quality of faculty, quality of students, institutional resources, learming environment, academic offerings, degree requirements. and characteristics of alumni) for difterent types of institutions, departments, and program areas. In I981. CGS, the Association of Graduate Schools, and the Graduate Record Examination Board set up a new Graduate Proyram SelfAssescment Service (GPSA). Three sets of questionnaires were designed for use by universities to be administered to faculty, students, and alumai of the department or school being evaluated. Sixteen composite indicators of character. istics of the master's program were used, ranging from scholarty excellence to student outcomes. In three years of operation, the service has processed 10.000 to 20.000 questionmaires each year, representing 80 to 100 proprams in 30 to 40 institutions. (Reports of a comparative data analysis in humanities, social science, and physical science were scheduled for publication in late 1986.)
A series of papers at the Maryland conference raised several other significant issues about quality assessment of the master's degree:
I. The American deqree structure distinquishes between levets besed on acadernic achievement and the mature and type of study. While most professions have both basic and advanced undergradeatc and eraduate proerams, Wberal arts graduntes enrolling for professional master's deprees often lack the required foundation. necersituling a two-liered or restructured basic program and additional credit hours for those with no backeround in the disciplive (CGS 1979).
2. Confusion in objectives of master's proprams may sem from attemptis to provide general education. prepare doctoral capdidetes, and provide quasivocational guidance. By the same token. the master"s degree as a "useful credential" implies measuring outcomes through career gaals, employment, and velf-fulfilment ( $p$. 48).
3. The lack of consensus on whether professional preparation should be postbsccalaureate is linked to the widespread practice of offering underpraduate courses for graduate credit, blurring the lines between basic and advanced courses of study.
4. Nontraditional degree programs pose special probvems of standards, sccountability, and alternative delivery systems. Multidimensional programs muy warmant qualitative and quantitative measures of effectiveness (p. 39).
5. The organizing principle of dual demees is to increase multiple competencies of practitioners at the advanced profescional level and to eliminate duplication of course requirements (p. 23). Dual degrees facilitate the acquisition of two profersional credentials in a shorter time and al a lower cost.
6. Distinctions in evaluation criteria may be appropriate to disciaguish between professional and academic programs. particubsidy when the former is tinked more directly to employers. manay of whom teach in professional schools, sit on university boands of trustees. serve as employment recruiters, and control professional astociations and joumals (p. 69).

## The Stale and Qualiny A cerememe

Assessins quality in the master's degree involves two kinds of problems: (1) the large and divence population of pro-
grams whose coptent, structure, and objectives vary copsiderbly amones propran types and institutional varieties: and (2) the responsibility to educate and train new clicerteles scross disciplines through new arreapeunents of curriculwa and systems of delivery (Petcrar and Frances 1984, p. 5). The states beck a clear conception of eradinse cduca. tion: "Collectively, the stutes" educational policies do nor comstinute a mational perupective or policy on eraduate education" (p. 9). This observalion is condirned by a review of state master plasas, which vary coasideribly in their specifie requirements. Suter are now more concerned with accomataility, end several have instituted performance auditis, manyencort by objectiver, properas evaluations. and increased repulation (Youns et al. 1933, p. 73). A major liability of this strategy is to "shift the focus from secess for all eroups in society to minitenance of elite qualliy standards" (Eyter 1984, p, 63).

Ofticial perceptions of the master's degree sometimes reinforce the lower stintus of the Master of Arts. Florida' master plan acknowledpes that students who fail to achicve candidacy for the doctorate "are led to setue for the lesser unater's defree" (Florida State Bourd of Education 1982, p. 33). Several states have adopted requlations to discourage duplizalion of master's depree programs, particularly in strule-pperted iastitusions. As the same time, they often encouraje degrees that are specialized, distinctive, and diverse. Indeed, in Floride. "master's deproe proprams may be duplicated in difilereat areas of the state when the advantiees of duplication sifnificantly outweigh the increased costs" ( $\rho$, 32). These policies may have the unid. teaded consequence of encourating the proliferation of degree designations in an effort to be distinctive enough to moum new macter's programs, Joint deprec propsams. cootraditional delivery oystems throueth oft-campus courses, distance learning, and ober mechacisms impose mew burdems, coastrinits, and demands on what accreditstion anemcies are able to sccouplish in quality assessmeat (Youne et al. 1983, p. 74).

A coutcent amalysis of research on greduate and professional edvcation identified five issues that dominate in studles and analynes of eovermment regulation and policy (Wild, Fortna, and Knapp 1978, p. 57): (1) the rationale for establishling state regulation; (2) the scope of requistory

mencies" ceforcemen powers: (3) state policies for private and pertic bideter educition: ( 4 ) the kinds of information required by atate and federal agencies; and ( 5 ) the mechasivinis for statewide plamaine. One concern was how to maintain quality properms in the context of chariang soctal and mapower treads. the retationstip of the uaiversily and the job market, asd the emphasifi on economic return ralber than intellectual achievement as a major outcome of erndurte education (p. 70).
In I\%es. New York became the finst state to propose standurds of quality for master's proproms. The Suxe Education Depminemis Divitions of Teacher Edecation and of Acablemic Propran Revicw focusted on the manter"s degree to idenify those factons thas affect quatioy ICGS 1979. p. 75). Of the 2.100 master's proprants, curricula were revicwed in 56 of 82 institutions-238 in education, 235 in liberal arts. 98 in profestional Belds. and 29 in theotogy ( $p$. 76). As a result, a moratorium was dectered oa the developacen of new doctoral prograsm, a commistion on doctoral education was appointed, and new repulations were adopted for registration in eradusce and profestional degree proprame thal emphasized peeds assessments, studenk outcomes, and evaluation criteria (Buremu of Collage Evaluation 1972).
New York found that the growth of the master's depree had been rapid, upplaned, and uncompolled in ithe wixtiet. Proyenas were administered with lifule apponisal or review. admissions criteria were too clastic. curricula varied widely in quality, and lerge aumbers of nommatriculeted and partime students were carolled. In many proprams. students could sccumulate credits with no spstematic training in research. po theris. or no comprehensive examina. tion. The main objective was permment certification, but ecademic advisement was weak. raculty were ofien uaqualifird, and proprams showed litite inaovition or responsivesers to new socind or profensional needs (Burew of College Evaluation 1972). Ia bair of the institutions surveyed. ope or more proprams (over two-thinds of the 600 totill) had deficient curricuta. Becioning in $1 \% 69$, the stale pave inatitutional add to private colleges and uaiversities in accordance with the Buady formula pranting aid for deprees awarded, an added incentive to offer master's deprees. Throughout the 1970 s , master's deprees were reviewed
that wert pant of doctord proprams. Simce 1979, the stace has conducted periodic reviews to monsure the effect of is activities in aspervine acadonic properas, and in 1985-勏. it inidined the secoed cycie of formal master's reviews in 100 clementary and brimanol dracetion prograns in puthic and private colloges and vaiversities, using mearures of qumairative productivity. instimetional reffetudier, our or. state conssubants, end site witits.

Odver stives have adopted this modet. although oaly New York momitors grdente proprames in both pulicic and private inctitutions. Systemwide or cequental progen reviews in other stater have lended to focm on matert's degrees as part of the doctornte or in tencther oducation. In unoct states, however, propram review is limied to new proproms in stace univervitier and collenes, and it is charmeterised by a migh level of gemorliny in the dection. mating process. The minjor dimetensions of stale and institu. tional respoasc to tuproved quatity ere analysed in a serice of papers liakiag the process to tranaind incemetiver and to a new cupharis on excellence in chacation spurred by the stowdown in the antional coconomic erowth, the dectinc in the colloge-ate population and in the expmanion of mon age eroups, and the declime in stedens' academic perfor: mance (Folyer 1901, p. 1).

Fiscal poticies in the past two decades have promoted frowth through appropriations for new programs. throuph aew institulions, and throunth tuition suberdies tha gave collepes "a margin of extre resources" (Folyer (\$1, p, 2). The issue now confronting these instioutions is how to improve stradards in a period of reduced resource. The renewred interest in quality has two porrible ovcomer: insistence on clear poals and expectivions for performance and more accountabitiay for reseles ( 0,31 , An examimation of ate definicions of quairy and cifterent priorivier for iom. provemen found that "the end of growith and the adicwe. ment of broad access to inderer chacetion, combined with concern aboun cocomomic stapmation med lack of conflemce in perticular, have led to an emplowist by policy makers
 education" (Eyter 19at. p. 7I). The resin is a "prolifere. thon of state falinatives" that hoclades bigher adomistion standerts. incentive idd, and targeted special fundine. And the extent to which such initiatives can be implemerted
and coutrimed polinicully ower time is the oriticil inene of the liter (o. 71 ).
 vericty of perpovec. Acadenic propem reviews involve
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 macing ecrivtion proprams and devoloping mew ones; and (3) direat involvement in reviewn by outof-tiate comsus. tuats. lending to serminaion and comulidmion of proprons
 Univervinies will a concemtration of eradule progrmas have utiod proprom review for alociting indernal revources. firther, reallocitions of revourcer ere mumily determined *he thitututional (school or departimeneni) level ruther

 reallocution of rewources ts acturly a "more siggincman outcome" dun coss sevines, which are commonly a
 Curolian, for example, proyna reviews were ured as an incentive to improve quality, and reviews of profertional propromes were conducted in the beridh profiestions, home rconomics, teacher elucation, and enplaeering. with others plamed in beciness asd manvoment. compuitr
 Between 1977 and ItwI, thove reviews led so the dircomio unnce of 63 leacher ciucition proprans deemed wastitis. factory and the redrection of faruly to empinetring and the sciemees ( $p, 54$ ).

Externol aposiex, state governimg beards, and invitus. tional olingints are aow invelved in gruity conmed. Profis-
 coiteria and proceturev for perrolic evalumion tad approval of aew ppoprans. facreaved unation is beins piven the master's dequee, pariculaty in profersional wetrochs. We can anticipate more emptotits on selfroupietion an
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MANO PROFPESSIONAL DECREBES




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utives-on the relative emphavis thal universiiles whould give to career training vib-a vio the liberal arts found signif. icant variations in the eroups expectations concerning the afpropriate educational training for businewis eareers and the optimum outcomen of buninest education (llupstad 1983. p. 89). Corporale perionnel convidered seience and engineering backgrounds more desiruble than either businets or liberal arts and career preparation to be a cardinal objective, while academic deans (businest and liberal arts) did not view carcer preparation and training as central to their misnion (p. 75).
A survoy of deans and faculiy of business achooin, 1978 ulumni of M.B.A. programs, and fiortunc $\mathbf{5 0 0}$ execulives found a wide divergence of views on the degree itself (Jenkins. Reizenstein, and Rodgers (984). The participants disuereed about the goals of a quality program. the relevance of curricula. career development akills, and the utility of the degree for top management ponitions (p. 21). The major isnues were dichotomiex between generalist and specialist or breadit versus depth. Mosi M.B.A. programs require foundations courses, specialization, and generalized in ining. Executives preferred more applied approaches and demonstrated litile regard for admissions criteria based on GMAT scores, while mos M.B.A. programs use such scores in combination with cumulative grade point averages as iwin predictors of academic success. Execulives advocated that more weight be placed on the applicant's ability to perform in and out of school than on test-taking skills (p. 301 Thus, a "compelling argument [could be made) for ree :"luating and perhaps restructuring graduate business schools :"rricula" (p. 30). In another sludy. executives favored training for shor-term operational problem solving. while academics emphasized long-range "stralegic" planning (Rehder 1982. p. 6А). Business schools, the author charged, had sacrificed educational quality to rapid expansion and growth with the result that they had become "a mass education cafetcria where unappelizing functional course credit hours are thrown on the student's plate. The diet may be filling but certainly not nourishing to the intellect or the soul ${ }^{\text {" }}$ (p. 68). Integrating advanced technical training into a broad universe of experience and learning is one way to approach the problem, and if business schools fail to adapt, corporations may assume
their funcliont it an even mealer desiee ( $p$, 11 ). Oithers. however, wonder whether butinew echowlo are awarding vocational diptomas or academic dewrecs and wese there to move away from highly apecialized peogramm intos the development of eeneralinte with troader noxietal view. (Kiechel 1974, p, 50).

Several factors contribute to the suctern of the M.A.II.A. A survey of ernduate atudentis at the Univerotis of Illimoii found that their chief objective was a lermintal manler's depree, like the M.B.A., that confersed full proficosional statun. Afier all. "the critical anpect of academic nuccens is the carning of degrees" (Hery and P'erber 194.3. p. 6,34). and the thrust of businesin education is to elevate the M.B.A. to the level of a fint professional degaec compara. ble to law and medieine. A large undergraduatit base and greater coherence between graduate and underiraduale programs. parlicularly with reapect to the ineroduction of computer iechnology and stricter quantitative require. ments. have also contributed to its growth (Hennesicy 1984. p. 23). In addition, one-year M.B.A.s like Southern Methodist Univerxity's action management program or exclumionary proposala like that of the American Institute of Cerified Public Accountants for state legindation man. dating a filh-year master's to enter the field of public accounting may further accelerate M.B.A. enrolments. Although the AACSB opposes the requiremeth. Florida and Hawaii have already instituted it (AACSB 1986). Moreover, employment opportunities mod starting salaric. for new M.B.A.s altract graduate students seekang "the higheal rate of relum" rather than "the intellectual conIent" of its programs (Stolzenber: 195, p. 24).
While the demand for undergraduate and graduate bust ness education will persist into the $195 \%$, the continuing success of the M.B.A. is far from assurid Very litte has been done to control its proliferation owinix to the generous. sccrediting policies of the AACSB (Schmolier 1984, p. 13). It remains to be seen whether the M.B.A. will retmin it marketability when it becomes less of a status symbol in hiring. As has been demonstrated in teacher education, a credential certifying to professional competence loscs its prestige in direct proportion to the numbens who hold it, a phenomenon that leads to further differentiation at higher degree levels. Monitoring is perfunctory at best in most
waten. and academic nondard, vary meally. South Coros. lins, for example, encourater public inntitutiont offering buvinew degrees io seck AACSII acereditation or to abmer. wiee meet AACSII uandarda. In the Now Youk metropali. tan area, courve credil requirement for I\$ M.II, A. po. erami ranye from $\mathbf{3 6}$ to 72, depending on the underyraduale major (Azeara 19wS). The Iypical program consiots of a required core of 1210,30 creditio and a conceniration of required and elective coursen. Pairleigh Dickinson Univer: wily offer mu fews than 17 concentrationt. form Account. ing for Non Accountanti to Pharmaceulical Chemical Siudics. Quality conirol and divernity of programs are amone the mont serious lisues confronting the profetilon (Nanuli 194. p. 15), but the M. H.A. curiculum alse needs to addreat issues of productivity, international businest. the transfer of technotogy, informalion syatemi, and enirepreneurthip (Schmonter 19\%4, p. 12).

The shin of manayement's education to the corporate sector can have serious consequences (Eurich 1945). Much of the future of business education will depend on its abil. ity to recover a sizable share of this market, "desiening education for emertina new belds and proferwions" and atiracting talented M.B.A.s to seek teaching careers in its business schools (p. 122). One Irend is for education to study management us it affects the public sector. Thus. Yale's innovative Schoot of Organization and Management focuses on the political, regulatory, and intemational environment. Yel another trend is cooperative programs between universilies and industry (CGSNSF 19\%0). "More and belier bridees |are necessary| . . . between the academy and business" rearding the roles of businens educa. tion (Hugstad 1983, p. 119). Yet the univernily has a sociul responsibility, and joint industrialluniversity rescurch has cthical implications, involving issucs of autonomy, resources, and the mission of the university (Bok 1982). It seems clear that as enrollments in graduate business begin to subilize at current levels and the need for new M.B.A.s diminishes, the debate will heighten as to current policies and fulure directions.

## Teacter Edecation

Major problems in education concem the effect of public policy on teacher training programs. Certification and
licenaing requiremento have a major impact un efaduate seforatis of celucation (CiSllo), pariticularly becaure almon one-third of all mater' degrect are in education: Iliwotcally, hawever, the temehing degee does nut have the wo lus of the M. I, A. . ith clowel rival. for reamme that are embodded in it hiwtory and in the nature of American wel: ely, Originally, the M. A. and M.S. In education were the preferred credentialis for those weeking postiont at secondary shool leachers and adminitiratorn, I, aler, the manter's Wis recommanded an a demee for communily colleer and lower divition collope teachern of as the midpoint depece for the Duector of Education and the Ductor of Arta.

Harvard College established the firm aeminary for teach. ers in IA! I and began offering the carned manter't degtec in the feld aboul 40 years later. In 1922. Harvard wan alwo the frit universily to offer the Bd.D. as an applied doxior. ate. party to bypass more stringent Ph. D. requirements in foreign languages. In sehool adminisiration, the aspiriny superiniendent was admoniahed to oblain a doctorate to differentiate his ttatus from the icacher, who was eenerally female and, at leati in elementary education, necded only a hish school diploma and iwo yeart of normal school. A study of 623 small liberal ants colleges found that by 196? one-filh of them had mauter"s programm, mainly in educa. tion (News and James 1962), Many of thece proyems origi. nated as a responice to the postwar demand for teachern. and thowe who allended were likely to live or work near the reapective college. 25 percent of which were affiliated with a church.

In the more prestigious research univentiles, graduate whools of education are more concerned with doc: toral rescarch and scholarithip than with master's level lescher training (Judge 1982), Groduate sehools can be divided into three catcgories: ( 1 ) the arts and science model that nurtures Ph.D.s with foundation- and eovernmentsponsored research; (2) ite dominant profescional sehools of medicine, law. and business in which degrees from "the risht echoolis earn advancement, prestige, and money": and (3) the gredunte schools of education. Whore identily in "the hisher education enlaxy" is lest certain. Distancine themselves from their credentialine roles, they are viewed as noither arts and science nor professional schools and are disuissed as irrelevant and remote.

Gislis are dolinumated fioth wher profencional aithode in the reamone for allemding them: to aciquire a meoded ele: dential, to secure tonewal or entenohit of a licence, and to advance lastemenially on the valary walle. Siludenti, are employed oddef wonven and minotities, allend pars limes. and are afd to differ in ahilitien, machartounds, and aces. demic needo friwn the Iraditional monithaccalaureate, full. lime aludent, Many acquire maver's depreev and wisth. year cerificaten to mave from the clavoroman to the princi. pial's office. "The GSE wrves as an encalator by which one

 alter the " 0. ." concentrating their temourcen on dectowal prourams and aligning their slandards thut not their pur. posen) with graduate whook of arts and science. especially in the wocial weiences. Requirements for admistion to matter's programs are lowes, courcei are ofien framented. undertinted, repetitive, or incoherent, and oludents often enfoll in them to fulfil requiremenis for certification or promotion. Thus, $n$ "pervasive contradiction . . . lies . . . at the heart of graduase whools of education" (p. 41).
Sociely' view of education placen the leaching profersion below medieine and law, which are pereeived as wharing greater financial and profenwional ntatus, and the lack of a clear mistion anmone GSEs helpo perpeluate the low relalive value of the maver's depree in educalion (Judere 1982). "Lillie prewise attacher to the role of teacher and litile to his or her education and trainins." which are seen as byproducts of a liberal arts education (p. 46). As lons as teaching remains at the base of the profencional pyramid. its atatus will likely continue to be fow. By providing upwardly mobile roviter away from teaching (out of the claswoom), GSEs implement a "Iatitudinarian policy" with a bewibdering array of choicer based on a negalive unifying principle. Responding to namrower scademic imperativet, they abandon their base withoul finding an allermative one. In short, schools of education are in low repule on their campuses. back a central focun because they are defined by the academic disciplines rather than their impact on the profersion. and are dominaled by a few prestigious graduate schools.
This "undifferentimed view of schools of educution" has been criticized, based on three major historical develop-

 comprehencive univervitifs in which teachor educatiot was "submermed"; (t) the fiwe of the land zant univetolly, in
 othet macikel whyects; and (1) the allitume of the matw private univerviticu loward toacher oducation at a way of
 offo of proforsional education are distinct from the singlo. model medical or taw whom and more anatoentis lo busi
 objectiven ( $p$. 67).

Several propotal have tren made in the pan :3 prate to combine a four-yen liberal underfuraduate cducation with a (woyear profersuonal maver's that culminates in ofull. time teaching indernchip. The Naver of Afts in Teachins (M.A.T.). initiated al Harvard and oxher presipious uni. versities in the 1906, waideriphod at a 4.1 proprum in which intencive course work wat combined with a teaching internship as the major graduate eiperience. This modet has now been adapled funter by a group of prestigemu research-oriented OSE weekine to eliminate prevervice leacher preparation for undersraduales and to make the manter's degree more "profermional." Under the kender, Thip of Jodith Lanier of Michipan State Univervily, the Holmes Croup proposes a differemiated urructure of thrice levels of teacher preparation: Instructor. Profervional Teacher, and Career Profenvional, creatins: career incen. tives "to improve the quality, coanpement, and commit. ment of the teachina force" (Holmen Group 19\%\%, n, 4),

In the 1960s, the Ford Foundation apeni 829 million an "Breakihrough Programi"' denigned to improve teacter truining (Coley and Thorpe 1906, p. 20). For y-itree inulf. tutions of hidher education participuted in the program.. alatough the majoridy of the resipients were selective lib. ernd arts institutions in the sortheam. Programi raneed from a five.year underpradume depree and a combinod bechefor's and masser's degree to an M.A.T. for literal arts becenlmureates seckine careers as wecondary whool tencters. The 4-2 plan, orignally proposed by Carmichuet. Elder, and othens to prepare underpreduace collene teach. ers, has now recetved the endoncment of the Carnepic Forum Test Force on Teaching ar a Profestion (1946) and


In short, schools of education are in low repure on their campuses, lack a central focus . . . and are dominated by a few prestigious graduale schools.
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 tion; (t) the heavy teaching hand of faculy with few prants; (5) the encestive allention piven lo couste wow ralhes than to resoarch, and (6) the inconviment requuremanti fom the deterec.

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Both the Iloboses Group and the Carmepie Forum mandate a mavief"s depree for permanent certificaion. State departmentis of educution are conuidering propondis for carcer ladder differentinls into manter teacher and other forms of recopaition to forextill the "up and out" patiern now followed by better leactrety who obvin sinth-ycar cer-







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Fine and Performing Arts
The Master of Fine Arts (M.F.A.) is a terminal degree awarded in the performing and visual arts, creative writing. and architecture. It is the preferred degree for the practicing artist, writer. musician, actor, or dancer and has greater status in the academic community than the M.A., considered a midpoint to the doctorate in arts and letters disciplines. Therefore, the artist as teacher has a greater opportunity for employment, promotion, and tenure in studio programs and courses. For this reason, too, schools of the arts have been established within universities to give greater standing to the creative fickds and to permit more fiexibility in designing and developing curricula.

A report on the status of M.F.A. degrees (Midwest Cotlege Art Conference 1965) and National Association of Schools of Art and Design (NASAD) guidelines indicate that the core of the M.F.A. program is the artistic discipline and that students are admitted based on the demonstrated quality and originality of their artistic output as well as their undergraduate grades. In some independent art schools. peer review is part of the admissions process. While the number of undergraduate credits in the iield may vary as a criterion for admission, it is generally assumed that proficiency is a cumulative process, beginning before graduate school. Thus, students are rarely admitted de novo. implying that the graduate program will be structured at an advanced level, that a strong mentor-student relationship will exist, and that productivity will be expected. M.F.A. in visual arts programs require at least two years of full-time graduate study with a recommended 60 semuster credit hours, al least 65 percent of which must be in studio practice (NASAD 1985, p. 74). The requirement for a thesis in M.F.A. programs is generally met by exhibition, performance, or comparable demonstration of achievement. Seventeen M.F.A. and eight M.A. programs are available in theater, 29 M.F.A. and eight M.A. programs in art/design, 23 M.M.M.F.A. programs and one M.A. in music, and seven M.F.A. and four M.A. programs in dance (HEADS 1985).

The number of specialties is extensive (HEADS 1985). The M.F.A. in theater includes 17 fields, ranging from act-
ing and costume design to theater management. In addition to professional and academic studies, which occupy 75 percent of the curriculum, the National Association of Schools of Theatre strongly recommends internships under professional conditions (1983, p. 55). The corresponding M.A. degree with 65 percent theater content may include theater education, history, playwriting, dramaturgy, and design. Nearly 370 degrees were awanded in these fields in 1983-84 (HEADS 1985, chart 1-3). The M.F.A. in art/design encompasses 29 specialties, ranging from advertising design to visual communications and including glassworking. film, furniture design, and crafts. The corresponding M.A. includes art education, administration, history, and therapy. A total of 1.454 degrees in visual arts was awarded in 1983-84 (HEADS 1985, chart 1-3).

The M.F.A. ir music and the Master of Music (M.M.) embrace 23 specializations in performance. composition. and theory. A total of 3,389 degrees was offered in music. the largest number of M.F.A. degrees awarded in 1983-84. The M.F.A. in dance is the smallest field, with only 76 graduates in 1983-84, mainly in teaching specialties. This program encompasses two years of full-time professional practice in performance and choreography, culminating in a final project demonstrating professional competence in dance (NASD 1986. p. 53). The first M.F.A. program in creative writing-the lowa Writers Workshop-was established in 1936 at Iowa State University, whose Department of Endish in the 1920s had already granted the first advanced degrees in critical and creative writing (Howard 1986, p. 34). More than 150 graduate writing programs are now available in the United States, at least 100 "bom in the last decade" ( $p$. 34).
In developing standards of accreditation, it has been rec. ommended thal the M.F.A. degree be reserved for those programs that emphasize practice of the art form toward a professional career as artist, musician, dancer, actor, or writer and that the M.A. degree be granted for programs whose major emphasis is history, educational theory, and research. This recommendation implies that the teaching faculty of the M.F.A. program will be predominantly active professionals whose work commands attention in exhibition, performance, production, or print or in applied
fields whose work is used commercinlly. The Yale School of Art is an example of the benefits to be derived from a distinquished faculty of professional artists (Sandier 1982). In fact, a direct corretation has been found between the quality and reputation of M.F.A. programs and their ability to atract the most promising students (Hathaway 1975).

## Hearth Sciamess

Nursing
The University of Minnesota established the first school of mursing and Teachers College the firse department of nursing and bealth in 1909 (AACN 1985). As a largely female occupation based on a medical model and dominated initially by physicians, it has not had the status of other professional programs. Apprenticeship is part of its heritage, and training has occurred mainly through clinical programs in hospitals (NLN 1978, p. 30). A unified mecreditation process under the acgis of several nursins organizations was initiated in 1947, the National League of Nursins in 1952, and the American Association of Colleges of Nursing in 1969. Evaluation of baccalaureate and master's programs began in the late 1950s. and as of 1984, 157 master's programs were avilable in departments of nursing (NLN 1984. p. 51).

Nursing is a profession dominated by registered nurses, 80 percent of whom lack advanced degrees (Hant 1981, p. 33). Only 5 percent of nurses have master's degrees. only I percent doctorates (AACN 1985, p. 4). It was not until 1981 that the three national organizations-NLN. AACN. and the American Nursing Association (ANA)-publicly stuled the need to make advanced trining a firse priority (Murphy 1981. p. 3). In the 1950s and 1960s. praduate nurs: ing programs emphasizine preparation of nurse teachers often neglected theory and practice (Kelley 1981, p. 4).

The first regional effort by four public and iwo private universities to plan joint graduate programs in nursing occurred in the mid-1950s under the aegis of the Southern Regional Education Board (NLN 1980, p. 1). Generous capitation funding through the Nurse Training Act of 1964 accelernaled the growth of basic nursing programs. Only in the 1980s, however. has nurxing begun to experience a
> major thrust in the training of graduate nursing leaders. The NLN's Council of Becealaureate and Higher Depree Proprams defines the Master of Science in Nursins (M.S.N.) as a specialization program based on an upperdivision mafor in oursing as the first professional degrec. The purpose is to prepare professional nursing leaders as ctinical specidists (practitioners), teachers, supervisors. and administrators. NLN-accredited proprams combine study in a clinical area (family, child, surgical, psychiatric. or community beath mursina) with study of a functional role, such as c ت̈nician, teacher, supervisor, or adminisurator. The graduate M.S.N. seeks to build profersional skills on a theoretical foundation. dififerentinting this depree from eartier hospital-bassed programs. NLN's new criteria on "Characteristics of Graduate Education in Nursing Leading to the Master's Deprec" stress eraduate study as pant of a continuum with the upper-division major in nursing. makins it diffcull for the R.N. without a beccalaureate in nursing to enroll. The master's degree is construed as an sdvancel. specialized training progen in which the functional role and the clinical specially are an organic whote. delineated clearly in curriculum desion and content (NLN 1900). This two-year degree may vary from 36 to 60 credits and may also require a practicum. comprebensive examiaation, and in some cases a thesis.

> Nursing, like other degrees, has wrestled with the issue of nomenclature. Master's degree tithes include M.S., M.A., M.N., and M.S.N., and several interesting issues have been raised in this context: (1) the lack of differentiation between designations and requirements for a degree: (2) the relatiowhip between professional nursing programs and the schools that house them: and (3) restrictive admissions requirements that specify an upper-division major in mursing. deterring ewrollment of community college graduales and R.N.s with bachelor's deprees in other fields (Murphy 1981. p. S). Less than one-fourth of all nurses now have four-year deqrees, scceatuating the gatckeeping function of accreditation criteria. As a result, the profession is now addressing several major issucs: (1) what constitutes the firss professional degree in nursing: (2) whether nonnurses should be allowed to carn the M.S.N. and gain elifibility for the same license: (3) whether the M.S.N. should represent a higher level of knowledge and clinical
expertise that the B.S.N.: and ( 4 ) how to differentiate the R.N. with a beccalaureate in another Betd. a B.S.N., and a monnarsing major in professional M.S.N. proprams. The University of Tennessee offens throe separate tracks or concentrations, lengthening the time to degree for the nonnursins eroup to achieve an M.S.N. (Hart 1981, p. 34).
An analysis of job market trends for nurses questions the role of the master's degree to prepare clinical specialists (Balint. Menaineer, and Hurt 1983). Almost halr the available jobs advertised in 26 professional nursine journals for a three-year period were for educational positions. 50.7 percent of them requiring a doctorate: however, most murver were in dinical proyrams, which accounted for only 7 percent of advertised jobs (p. 111).

AACN sudies address the need for innovation and change in nunsing education arising out of the new demos. raphy of the profersion. the growth of part-time. nontraditional student populations. and the diversification of the health care industry. Community-based outreach proerams. evenias and weekend programs, and multidisciplinary and bilateral arrangements with industry, hospitals. and mental health agencies are some of the models discussed. The Nursins Curriculum Project of the Southem Repional Education Board identifies such future directions as outreach models, interdisciplinary health education, consortia, health marketing, hedlh resourses management, and the dual functions of practice and teaching in a peneric nursing curriculum (Kelley 1981. p. 5). Massechusetts General Hospital has designed the MGH Institute of Health Professions to integratc programs within a noncollegiate clinical settias (Porter 1982, p. 42). It grants master's deffees in nursing. dietetics. physical therapy, and speechlanquage pacholoey, stressing multidisciplinary approaches and cooperation amoos disciplines (Eurich 19\%5. p. 119).
Between 1964 and 1984, the number of graduate murning programs grew from 53 to 157 out of 380 AACN mentiet schook. Enrollouents reached 19.006 studeats. 68.3 percent of whom were part time, a trend that has been continuing since 197. except in the Wert. The total number of deerees dropped by 2.1 percent. to 5.039 . as a result of the increase in part-time enrollments. Seventy percent of the praduates were in advanced clinical practice (one-third in medical-surpical nurving). I6.4 percent in teaching, and
12.2 percent in administration/manaeement. the three functioned areas for which deta are provided (NLN ISNA). The resiles showed 6.6 times as many boccaloureate as master's defree recipients.

The existine confusion in munsise education about appropriete conceptual frameworks for undergradunte and grad. vate curricula is not surprising when one reflects on the matorical development of greduate mursing education. Oripinally, it emphasized functional preparation for munce. teachers. and proprams coasequently were often housed in schooks, colleges. or depmertenents of education. Four courser were considered essential in the early mraduate progenens: philorophy of education, curriculum development, teaching stratepies, and tests and measurements (Kelley 1981, p. 4). "Application of the science of tenching to the practice of mursing I. however. I was often lecking" (p. 4). In the sixties, with pressure from NLN. program: were revised to meet the peeds of munse-practitionern. The concept of the sixth-year certificate or a imo-year program for teachers was also proposed. The issuc todey is how to meet the needs of the par-time adult student who may not have sucilied nunsing as an undergradume., has many more profersional specializations from which to select, and whose trainiags should reflect the divensification of the bealth care industry and the dual functions of practice and teaching (Har 1981; Kelley 1981).

## Henink services chmiaternenione

The first master's depree in hospital administration was initiated at the University of Chicaso in 1934. By 1978, more than 70 graduace prograns ( 43 fully accrediced) were avail. able in hospital or healh edminisaration. public health admintstration, and heath plansine, paralleling the growth of publicly and privalety financed medical care in the 1950 , (Moyerman 1978. p. I). A CGS workshop on master's deprees pointed out that allied health comprives 35 differ. ens professions with 38 sets of accreditation standands admindstered by seven agencies. one of which has 16 commintees (COS 1983. p. 31). The Association of Univenity Programs in Health Administration has attempled to rem. edy this situation by serving as an umbrella association for public health edministration.

Public bealah adminustration is a twoy year interdisciplithary depree, incorporatian componcots from medicime, engmeerims. opidemiolosy. orgmizational behw vior. account-
 oae year of field work as an administrative residemin a bealh fucility may be inteprated into requirements for the deppee. The proproms have various tilles and about 12 designaions (in onder of frequency): Master of Hewth/Heath Services Administration: M.B.A. in Hethith Adminituration: Master of Public Admimistration: Master of Publie Heath: Master of Sciesce in Horpital. Horpieal and Henth Services, or Healit Care Admimistrution; Master of Manaperment in Hospital and Healh Services Adminituration (Filermana 1911. np. 3-4). The abremoce of a commponly labeled depree presents problemis to ctudents tryina to select the right propram and to potential cmployens tryins to underskind whan the deprees mean. To complicate the matier further, beatith proprams may be housed in schools of busimess. pubtic bealth, public adminisuration, medicine and allied bealh. or as sepmate usivervity departmeati. and the propran's emphasis corretates closely with its undversily aftitation. The American Physical Therapy Association has mandeted that by 1990 all entry-tevel properass be postbeccalmureate. As the oaly accrediting apency in this feld, with elidibility for licensure and practice dependins on eroduntion from an eccredised propram, allied beath odnimistrators will be faced with the prospect of addias new master's programs in physical therapy. An analopous situation has occurred in rehabititation counseling. Aceording to 19 ef certification guidetimes. propams with fewer than 45 credits are con fully accrodited by the Corminission on Rctabilitation Education (CORE). CORE-mpproved programs inctude a 600 -hour appervised internsthip that qualifies manter's degree recipients to sit for Commission on Remabititetion Counselines Cerificution withous expert. eace in the fetd (CRCC 19\%4. P. 4). A study of herinh administration curricula to decermine whether they meet profersional aeods and are rexponsive to societel and instiurionil change concludes that they often develop "by sceretion and eclectic borrowing of courses from other exublishod disciplines" (Moyerman 1978, p. 2). Depree requirements are baced on state and national standards and institutional resourcer.

A case study of a mew rwo-yew maver's depree in beath policy and managemem extabinitred by Harvaref oschool of Piblic Health provides a difierem perspective oa the developenem of deprees in this fitd (H)erverd Uwivenity School of Publit Heald 1978), With support from the Netional isatizues of Heilh (NIH). whe school convened 12 papets on various public beoth conceras, asking them to define perronael and organevional meeds in a chasias hachich care delivery ovrcem. The Healith Servicer and Eaviromenatal thenth pancts ifentifed urimite heoth poflicy anlyds mamern as the primpary meed and uroed the achool to focus the daprec in this area. Antor five years of plaming, implemeatation, and evaluntion, such a depree -as instiented in oolloboration with the Euniaess School and the Kemmody School of Covernmeen. Isitiated in 1973. is wat comblued with the M.S. in heath services administralion two yems inter. It is open to doctors and poubac. calaureates secking entry to heolib-reloted careers and provides a model of what can be activeved with sufticien resourcers. meticulous plasaing. and clear and pupponeful objectiver. Quality has not been sworificed to ad hoc invention.

## Parmationel Elucation

Ieternational oducation bas thrce main foci-tchools of intermational affinins. area centers funded through Tiuk VI of the Higher Education Act of 1955, and forcigh Ingunge departments with links to both schools and ceaters. Iotermational studies propratar geacrilly lead to the M.A., combialos freency in a loagure with melaidisciplianry trinian in history, instioutions, and culture, and prepperiat students. for employment in povermaent and the privete sector (Berryman et al. 1979. p. 33). More recently, their curricula tave emphasized quantintive amalysis. economics. and burdeets, pariculaty ia schools of interabioan aftiors. In recoprition of the gromins importuce of international busimess and internotional law, some miverity laquare depertments end sea cemers are now seekiry crosiTertilistion with burimess and law schools, and joint proerims with law are commona.

Schoots of imermational studies fike the Fietcter Schood of Law and Diplomacy a Tuits, which offers the Muster of Arts in Law and Diplomacy (M.A.L.D.), and the Woodrow Wilcon School of Prolic and Imermaliogal Affiens a

Princeton operace brgety at anomomow mits, prodice movty M.A.s. ad concentrute on intermiond policy (Bernoma of al. I979. p. 37). Proticular absation if eiven 10 reveurch stild that om be appliod to emarine imernmiond prodicons in the envionmam. eneryy, and lowin. Tide VI comert were decipmed origind hy wo unim specifists as lech acal advisort in predomimmily third wortd commeriet, and the average number of M.A.s awarded thromgh thece cem-
 13. mose doprees wire awnitod in Litin Anoricma, East Asima, or internutional seuliect, often combined with an M.B.A., J.D., or M.P.H. Ares comert encownge imegroted or combined depreet dat are comurnem winh Tide Vilepistrtion.

## fourcrivom

The detade over powaction at 4 proferminal deyee erupted in the 19)0 (Drewed 19世0. p. 25). Schodis of pour. adiven were demonced, both for their manow focus and for their wocetionalism (fliexber 1930, Hetchias 1936), It 1930, the Americm Society of Newspaper Elimors recommended that they scome graduate kevel, offeritig the matster's as the first rofessional deprec. Columbiti evalinithed the frrt gradmate setrool of jouratism in 1935, replecting is oartint coaventionil matior't depree 00 crefits phess an excmination ead theth) with an incentre five-yem propen (Buker 1954, p. iin). The anly outher exelowively grature school of journatise is ar UCLA. Northwestern hass a 3.2 proprum ladine to ma.S. in journalisa. The Accreditien Councill on Efucition in Sournatistan Mass Communics. tions. which began formint sccrefiegtion of jownatism pro-inhing. mass commumicutions. add electronic jownalism.

Over 300 schook and depantients now offer gradinme and meterpratove proprems in jomerition ad mass commonicmions, incluing concentraions in civerse cocupeciomal apecinties of new-reditorial (acmipupers), atwertivIng. brodonstimet public seletions, mapaciac, commmity. rectrical. science. aricumure, and home ecomomics jourelism, journatism revewch. fopll journalism (cometimes part of an M.S./D.D.). and Afro-American journalism. Cridence earoltments are ody 10 percem of the toed, it thouent kour timet as many edveced degees were awneded


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weience departmenti, 26 are separate profensional whools, es are separate departmento of public administration, and 26 are combined with a wehool or department of businew. Total enfollmento were 21.15s in 1903. 65 percent of then pant time and on percent in-wervice, the mown mpular depree in the Manter of Public Adminatration (M.P.A.). representing 77 percent of all degreev awarded, but the Master of Municipal Pi bilic Adminiaration (M,M,P,A.). Master of Urban Affisirs (AI.U.A.), and Master of Public Policy (M.P.P.) are also popular. Almost 70 percent of graduates are in government agencies; only 4 percent continue their education to the Doctor of Public Administration (D.P.A.) or the Ph.D. A larye number of diverse apecializations are subsumed under public administration and public uffairs, including arts policy and planning, human resource management, labor relationn. public policy analysis, justice udministration, and health services management. OERI's new taxonomy includes social work degrees in this category (sec foolnole, is. 3).

In 1986. NASPAA issued arin? neded "Standards for Professional Master's Degree Programs in Public Aftains and Administration." forming the framework for the design of graduate programs and delineating curricula and gencral competencies to proiuce professionals capable of assuminy leadership and maragement roles in public policy and administration ( $p$. I). The curriculum is comprised of a common core for all public affairs and administration pro-grams-for example, quantitative analysis and organizational theory, additional components already identified in the common core, and work in an established area of conceritration ur specialization chosen by the student. Thus. thi student combines genet ic foundation courses with specialization in a subfield of the discipline. Comnaun components of the curriculum are designed to r . nable the student to gain understanding of the environment in which public policy operates and the expertise to deal with political. legal, economic. and social inss'lutions and processes, concepls of organization and management (including human resource administration). concepts and techniques of financial administration, and lech.iques of analysis (including $q$ :uantitative, econometric, and statistical methods). Specifc courses may te prescribed, or students may select from clusters of courses. The guidelines mandate that com-
mon componentis be covered by required prerequisilez and/ or graduate work, however Additional componefts of the curriculum in apecializati. : and concontration courses anas not be subntifuted for the cammun cowe. In widition to these clemenin, : lidents are rapected lo develoy compe. tencies in data cow cion, analymis, and communiculion. considered a makr lunction of the publir administruto.

NASPAA encourayer secialization ithat meef the ficed, of publle adminititatorm who finy be ngineer health care administrutors, of cmployees of a $n$ wols agency. A handbouk pref a- it jointly hy the : : rican Puhlic Works
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 ational ways to w ve this: ar: (1) b) urereaving public worke technolog! and prace . in the engineerine curricu. lum: (2) by inclix 19 public an minimeration and musial acience subject matur and a major in suhlic works planning and management in the engineering corriculuni; (1) by encouraging eraduate students in cresenceving and othei fields (environmenial science, pabla thealth, urtan pianning, archite:tur. 'to eam a dual or wequenlial minter's cegree or certificate: public adminimiration, uibull management, or public $p$ s $s$; ( ${ }^{(1)}$ by recruiting mort pirser. vice and mid-career afince ; and eciention for enrollinent in priblle aftairs/ olicy/admia itration/manawement pro. grams; and (5) by inviating codaborative arrangénents that involve a school of pubtic administration and xhool of engincering (APWNNASPAA 1983).

Innovative programs s'mesing self-directed learning have made few inroads inten i ce M.P.A. (Zolıoli 1934). A few programs whose major purpose is to train prectitioners have endemv. red is recruil atudents with relevant work experience, offering academic credit tor substantial management expenence. New York University offers a 60 credit M.P.A. program exclusively on Sulurdays that can be completed within two and one-half years. A 32 -eredit M.S. io management program on Saturdays for profession. als with degrees in law. medicine, cngincering, cducation. and accounting emphasizes health services and manage. ment in the nonr oft sector.

## Social Work

While the first university-affiliuted progerams in social work were established in 1904 in New York. Boston, and Chi-

Capo. if wan not until 1912 that the American Aosexiation of Schooln of Social Work (AASSW) aet a minimum oneyear curticulum at the first unitorm olandard of courses and fieldwork for the depter Hy 1919, the Iwo year eradu: ate degree had become the AASSW nlandard (1)inerman and Ciciomar (944, p, W). The hasic curticulum empha. wized casework and womelimes group work and community organization, not admininfration or rewearch. The National Ansociation of Social Work, establiched in 1995, adopied the M.S.W. as the preferred credential for a wocial service professional Through federal action, the feld wan Iransfurmed. wheols of welal work expanded. more B.S.W. mograme eulablished, and new models of practice iniliated in community action, policy analyoit, and urban affairs (Gurin and Williams 1973, p. 307). In 1959, \$2 accredited sehools of mecial work exisied; by 1985, 90 (with nine more candidates) and four levels of education in wecial workA.A., A.S.W., M,S.W, and Ph,D, or D.S.W.- exined. Public policy had ereated enturely new opecifications and with them a huge number of new jobs and iraining modules. The addition of undergraduate B.S.W. degrees in social work and A.A. and B.S. deerees in human servicen clevaled the iwo.year M,S.W. to a secund profersional degree, encouraged a 4.1 madel for B.S.W. $n$ conlinuing to the maser's degree, and introduced many subapecialies. leating tu a prodiferation of courses and deqreen (Diner. man 1982).
The M.S.W. has declineu since the late 190.6h.

Frum the rady 1980s tio the rulla 1970s, the A.S. W, was the degree of enery into the professiotin. the dekerer reveripnierd as a condition as membershirn in NASW. and the only depree arrerdited to CSWE. In addition. the M.S. W. degree was the stamdard promoted by the pro. fes :lon ow the peneral public as the educention al orquire. mens for professional exial wurh practice (Humphreys and Dinerman 1944. p. 15\%).

In the past decade, the largenl growth has been at the undergraduate level. although it was not until 1974 that the Council on Social Work Education (CSWE) bepan ascrediting such programs in recrenition of the need to imple.
 atfengthen the articulalion telueen detiec levels.

In 1044, 14.275 full-dime and 7.244 marl-lime M : W candidaten were encolled, compared to only 1.77 F in isfu

 Partifitite enfolmentic conlitue lo grow, twowevef, arm toum mecound for one third of all maviet's sludento. Ibafalleling the decline in fullitime M.S.W. enrollments. the numbet if degrees awarded in 1944 droppad 108,051 , II percent below 1983 but four limer higher than in 1959. Social work
 M,S,W, degreen art awarded 10 women ( $\mathrm{ph}, \mathbf{1 8}=\mathbf{3 9}$ ).

The diverwitication of the work forco fan been linked to confucion about the meaning of the M.S.W. (llumphreyt and Dinerman 1944, pp. $1 \%$ as $\%$. New stileria for eniry through the rapid expansion of B.S.W. w, outside prestures from human service occupations, and the climination of Tible $X X$ and various mublic poygrame have created compe. lifion between B,S.W., and M.S.W. ond confurion aboul their respective akilli and roles. Efforts to define tine basic B.S.W. curriculum and lo differentiate in from the M.S.W. have been underway sitce 1975. A wurvey of B.S.W. and M,S.W. programs found enormoun divenity within and acrowt degree levels to the exient that "the detiee level in not a predictor of the extent of expowure to any conitent or the focus of content that a graduale will have had" (Diner. man 19a2, p. 89). The B.S.W. and M.S.W. ofter duplicate and overtappins councs and omil otherv, raising important quesinans aboul the function of the degrec. In its purpone to impart a common core of knowledge and skillif for all social workers, and of not is it a single profersion or many variations on one? What or"somes do we expect from the M.S.W, without a B.S.W. and from the B.S.W.A.S.S.W. as a continuum? Is the undergradunte experience a "dision. limuons model." or is it a conilinuum where "upecinalized becomes advanced education based on a shared foundm. tion" (p, 91)? Perhaps it would be preferable to revence the B.S.W. sucralise/M.S.W. specialist continuum, providing specific knowledge and skills in B.S.W. programs and a hapher level of absutraction in theoretical. rewearch-tused M.S.W. proprams (Hertnan 1943. p. 271.

Aceroditation standieds for both the 8.S.W. and M.S.W.


Is its purpose to impart a common core of knowledge and skills for all social workers, and if not is if a single profession or many variations on one?
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 53 to 90, compared to 125 for the IIS.W. with a litrial afto base (Dinerman I9\%2, pp. Momith),

Delmaled guideline: for develiopne and valualing the
 for feview withe curiculum is a Iransacilional systicm in Which the componeno (ohjectives, ulcomen, concentra: fons, wequences. and courwe) are linked to educalional "nd wocial contestin, including vitudenis" characieriotics. empluyment, and wacietal meeds (p, \$), One of the confusthe clements is that no wingle pinciple had been adopted for organivine the curviculum. Concentrations may be orga. nued by fich of practice (houlth or criminal jusitice, for cxample), methodolopy (adminictration, plannina), age cohort (child. lumily, elderty), ethaic propulation, or social problem (drugs), for advanced meneralivit, or as combinar uon (p. 23). This divertity giver students many choices. but if may also lead to a disunified curriculum and to a proliferation of councs, programs, and ultimately degrees. Dexpice ull of these choices, mout M.S.W, uludenti (\$\%.4 percent) select a methods concentration (Rubin 1935. pp. 41-44): over two-thirds comblice it with a lied of practice or concentration in a social problem. The mout frequently welected methods concentration is direct practice ( 51 petcent), and fewer than 2 percent of all sludentis concentitile rolely in a field of prectice or social problem. Mental health If the mout promineat fied of practice, followed by health. family servicen, child wetfare, and using.

Finuncinl ald is a malor incentive to obtmin the degree in - ficid that is not highly remuncrative. Almost 50 percent of full-time studentil receive grants. II percent from feld agencies (Rubin 193. p. 47). The most coutinon source of federal funds aot tied to field instruction is formal loan proprams ( 36.5 percent of ill grants awarded to M.S.W. students), followed by schooi or uaiversity grante ( 20.2 perceni) and college work study (8.3 percent). The decline in M.S.W. applicanis han been ascribed to low marics.
uncertain emplaye. 'he luth cobat of educatoon, derlith ing financial and 'ull it mpiciy' valuge hom utital roform and comn. shon ta mene uilitarian gitale (Cartion and Mor. ser 1(\%12.p. 16), and the lientio
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 profestional programs must be related to manpuwer and


## Combinad buapree

Combined, dual, or joini destreve enable uldudetis to woth lowned deprees in mute that one fietd amultancurdy and in a highly aructured, time-shortened mode of otody. Thus, requiremento for admiacion are aph to be mave rimer. ous and selective, students more highty molivatid ath with more diverse interests and mald, and incitutionte resources more fully used. Petermon', Cuides lioddsiein and Frary 190 es) lis 155 combined deprees, joining iwo mater's, a matler's and a firnt profescional, or a matier', and a th, D. Thircen felds are mon ofen involved-arith, tecture, biomedical wienses, buwinews edministrations. entaneerina. healith adeninis ralion, journalium law. library acience, medicine, pubtic healith, public policy and mominiv. tralion, wociel work, and urban and regional planning. The most popular combined degrees involve tuw, business, and medicine and range from the M.S.M.D. to the M.B.A.t J.D. Esoleric combinations include the M.L.I.S.AM A in information ccience and Near Eaterm qudiet, the M.P.I., M.S.C. in urben and repional plannins and gerontolopy. and the M.S.W.IM S in social work and dance the rapy.

## INNOVATION AND CHANGE

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5. Diveritiy and proli loy in the meaning of 85 yeart, academics $h$ institutions of higher : of the master's degrer lo codify the degree, 1 nisms, and to climina erams. Desple these ves unabated, as evid Research and Improv recently adopted for I the master's level. 63 plines: with combinex total almost 800. The to the beccalaureate al biguous in the hierare depth assessment sho lems of proliferation : master's degree.
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The Master's Dearee

Solf-Ancenment Service in one effort ism for ascestine maver's proyrams. wocens with meticulow altention to I threatening to marginal depart. rinutitutions. More work is needed in ing out quality control. Paculiy pror. only ineasure of quality in profes. rees. They are not research dequect d toward practice rather than theory. ient teachers akiled in new technoloof the environment in which student. istional goalai as such, the emphavis ;itivity may be irrelevant as a meadure ity.

Diferation have engendered ambizuf the master's dezerec. fior the past shave been criticul of the inability of :r education to check the proliferation ree. Many allempts have been made : 10 rein it in through various mecha. nale duplicative, unproductive prore admonilions, diveralication contin. idenced by the Orice of Educational ovemeni's new taxonomy of degrees reporting purposes (OERI 1985). AI 633 degrees are designated in 30 discired degrees the possible combinations ve relationship of the master's degree and the doctorate hat become am. unchy of academic degrees. An inhould be undertaken to address prob$n$ and to clarify the meaning of the
re-lime, adull poppulations and mixed ng addressed adequately in master's The literature on innovation is spanse. t that are offered through fiexible trated time frames, self-peced study. 1s. technolozy-based delivery sysmentor relationships are few and far
between. We conilinue to impowe the tame Iruditional credir.baced claswoom model upon both midrearcer and 22: yeaf rold monibuccalaureate studeoth, to where to llandardized lewl cores und cumulative grade noint averafes at the Iwin prodicton of academic auscens in profertional depree proprams. to provide few cervicen to comenuting full-rime employed sludents, and to ireat adull students as consumers rather than producers of knowledee. At a resulf, corporations, school systems; and other noncollegiate inslitutions have sel un parallel polentional development cournes and depreen (llurich (193).
7. Al lasue linday are the enpertitions shared by formity in designink new prozrams or strongthenink eximing anes. The level of difficuliy and what connitules a mrad. uate course are aspects of the problem being aired in conjunction with external evaluations. Institutional poli. cies and practices need to be reviewed with respect to graduate studenis' carnins credits for basic rather than advanced counselt, particularty when the undergraduate degree is in an unrelated held. The prevalence of this problem runs counter to the oridinal derign of the masier's depree as a finh-year, poribaccalaureate centificate to expand and strengthen knowledge and skils in the undergraduate major. In this context, we muse also examine policies with regard to undergraduates enrolted in graduale-tevel courser, eranting credil for previous learning. life experience, proficiency examinations, continuing education credits, and other options. The sdapta. tion of different curricular models to meet guidelines of the department, collepe, universily, accrediting agency. or, in some cases. the external contractor of univernily services has made comparability a frustrating exercise. Every model that is desiened seems to have several exceptions. thus adding to the complexity, diversity, and inability to standardize various master's degree curricula. Although certain frst professional deprees have managed to retain a sinde decignation-that is, the M.B.A., the J.D.. the M.D.-specialized master's deprees are offered following the J.D. and the M.D. (OERI 1985: Ruud 19as), and in the case of the M.B.A.,

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